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The ultimate goal of this study was the prevention of hazardous material spills through application of research effort. The immediate objective was to provide guidance for the choice of research priorities for spill prevention through documentation and analysis of historical incidents involving hazardous material spills. Data were analyzed for the period January 1, 1971 through June 30, 1973. In excess of 15,000 incidents were examined, resulting in the documentation of approximately 10 percent as hazardous material spills. To allow comparison of spills of different materials, a hazard potential scheme was developed, incorporating toxicity and quantity spilled, to rank an incident on a hazard potential scale ranging from one to ten. A pragmatic approach to this problem was taken and the scheme developed is specific to the needs of this study rather than a general mechanism for comparing spills.

Primary and secondary causes of hazardous material spills in various operational areas (In Transit, Loading-Unloading Areas, In Plant Storage, In Plant Processing) were identified. The data were treated to find the frequency and distribution of hazardous material spills by cause, operational area and hazard potential.

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HAZARDOUS MATERIAL SPILLS:
A DOCUMENTATION AND ANALYSIS OF HISTORICAL DATA

by

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FOREWORD

When energy and material resources are extracted, processed, converted, and used, the related pollutional impacts on our environment and even on our health often require that new and increasingly more efficient pollution control methods be used. The Industrial Environmental Research Laboratory - Cincinnati (IERL-Ci) assists in developing and demonstrating new and improved methodologies that will meet these needs both efficiently and economically.

This report is a product of the above efforts. It is the most extensive effort to document and analyze hazardous material spill incidents yet undertaken. The collection and analysis of these data will be utilized in assessing priorities for future spill prevention research. This work provides a picture of hazardous material spill experience despite recognized limitations imposed by difficultites in obtaining data. Incidents characterized by a particular primary cause or operational area are compared in terms of potential severity. Although no report can provide all the answers for hazardous material spill prevention, the present study contributes to a knowledge and understanding of the problems and where their solutions lie. This report will be of interest to researchers in the spill prevention and control area and to companies and individuals who are faced with the problem of spill prevention and handling of hazardous materials. Information on this subject beyond that supplied here may be obtained from the Oil and Hazardous Materials Spills Branch (IERL), Edison, New Jersey 08817.

David G. Stephan
Director
Industrial Environmental Research Laboratory
Cincinnati

ABSTRACT

The ultimate goal of this study was the prevention of hazardous material spills through application of research effort. The immediate objective was to provide guidance for the choice of research priorities for spill prevention through documentation and analysis of historical incidents involving hazardous material spills. Data were analyzed for the period January 1, 1971 through June 30, 1973. In excess of 15,000 incidents were examined, resulting in the documentation of approximately 10 percent as hazardous material spills. To allow comparison of spills of different materials, a hazard potential scheme was developed. Incorporating toxicity and quantity spilled, incidents were ranked on a hazard potential scale ranging from one to ten. A pragmatic approach to this problem was taken, and the scheme developed is specific to the needs of this study rather than being a general mechanism for comparing spills.

Primary and secondary causes of hazardous material spills in various operational areas (In Transit, Loading-Unloading Areas, In Plant Storage, In Plant Processing) were identified. The data were treated to find the frequency and distribution of hazardous material spills by cause, operational area, and hazard potential.

This report was submitted in fulfillment of Contract No. 68-03-0317 by Factory Mutual Research Corporation under the sponsorship of the U.S. Environmental Protection Agency. This report covers a period from 1971 through June 30, 1973.

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SECTION I
INTRODUCTION

Hazardous materials play a vital role in the economic structure of the nation ("hazardous material" is defined in Section 311 of Public Law 92-500, Federal Water Pollution Control Act Amendments of 1972). However, in the course of production, transportation, storage and processing, numerous unintentional spills of these materials occur annually. One estimate(1) places the annual number of such spills excluding oil, entering the nation's navigable waters, at 3,000. Reported spills range in size from a few milliliters to millions and even billions of liters of hazardous material.(2) The potential damage to a waterway from a spill of the hazardous polluting substance also ranges widely according to the particular substance, the quantity of material spilled, the size and type of the body of water, and its flow rate. Toxic effects may occur directly and immediately, or, for some materials, the effect may be delayed until the process of bioaccumulation concentrates the material to a toxic level. The effect may also be indirect resulting from increased BOD (biochemical oxygen demand) depleting the dissolved oxygen supply below the level various aquatic life forms require. In view of the on-going national effort to restore the quality of our water resources, the actual damage in which a polluting spill results may be considerably greater in the future than it would be at present. The improved aquatic environment of the future, attained at great expense, could be quickly degraded by a spill which today might exert only marginal influence in an already polluted waterway.

Two basic approaches may be taken to protect our water resources from hazardous polluting substances. The first is control of a spill once it has occurred and the second is prevention of the spill. Considerable work has been done in control of spills. Some control methods are physical containment, physical and chemical removal, and neutralization.

The second and preferred method of protection is prevention of the spill.(3,4) Prevention measures, if 100 percent effective, actually represent the ideal form of protection. As with most man-machine systems, the goal of 100 percent effective operation (and zero spill frequency) is far from being attained. Deficiencies in equipment and human factors prohibit it. Yet it is a worthwhile goal for which to strive. In some cases, prevention may be the only practical alternative for dealing with a hazardous material spill, minimization of the problem being achieved only by elimination of the spill.

The objective of this program was to obtain a prioritized list of hazardous material spill causes which would reflect the quantity and hazard potential of the material spilled. Operational and geographic areas associated with incidents, as well as injuries and fatalities sustained as a result of the spill were among the factors identified. This information was to be used to aid Environmental Protection Agency Personnel to establish research priorities for future work in preventing hazardous material spills.

SECTION II

SUMMARY

To achieve the objectives cited in Section I, it was necessary to acquire private and public documentation of hazardous material spill incidents and treat the acquired information to model the distribution of spill incidents according to:

1) operational mode to which the material was exposed at the time of the incident;
2) hazard potential of the spill.

In excess of 15000 incident reports were manually scanned, of which approximately 10 percent yielded enough data to make possible the documentation of a hazardous material spill. By time period the number of spill reports documented was 76 for 1968-70; 362 for 1971; 710 for 1972; and 293 through June of 1973.

The number of incident reports exceeded our original estimation and it was found convenient to record the data on IBM punch cards for easier manipulation. [Twenty-six data items were contained on the card.] A Fortran IV computer program was prepared so the FMRC IBM 370 Model 145 digital computer could provide the desired sorts. See Appendix A for details of the program and printout. A Hewlett-Packard 9821A Programmable Calculator was used to obtain frequency distributions of the data as a function of operational areas, primary cause, and other factors delineated in Section VI.

A hazard potential scheme was developed to rank spills according to their potential severity. The Hazard Potential Categorization treats the factors of quantity and toxicity of the material jointly so that the severity of one spill could be compared with that of another on a single scale of Hazard Potential.

Finally, the frequency distributions by Hazard Potential Category for primary causes and operational areas were used to distinguish and evaluate problem areas.

SECTION III

CONCLUSIONS

The goal of this study was to further hazardous material spill prevention by gathering and analyzing spill data to provide guidance for future research. To accomplish this goal, the most comprehensive program of hazardous material spill documentation and study to date was undertaken. Over 15,000 fire, accident,and pollution incident reports were examined, of which approximately 10 percent could be documented as hazardous material spills. A useful method for comparing the potential severity of spills was developed. Based on toxicity of the material and quantity spilled, incidents were classified in Hazard Potential (HP) Categories from one (lowest) to ten (see Section V). Thus, spills of diverse materials and size could be compared. Based on analysis of data and technical judgment these conclusions were reached.

1. Priorities for Future Research

A. Statistical analysis of reported hazardous material spills indicates which causes are more likely than others to lead to a high Hazard Potential spill (arbitrarily, HP category 6 and higher). Similarly, spills occurring in some operational areas are indicated as more likely to be of high Hazard Potential than spills in other areas.

The following distributions of incidents between high Hazard Potential and low to moderate Hazard Potential (lower than HP category 6) are arranged in order of decreasing probability of high HP for primary causes and operational areas: These distributions were modeled from the data (see Tables 14,15).

Primary Causes	Hazard Potential Probability	
	High (≥HP6)	Low to Moderate (<HP6)
Tank Rupture or Puncture	.23	.77
Tank Overflow, Other Leakage	.19	.81
Hose, Transfer System Failure	.08	.92

Non-Tank Container Rupture or Puncture	.03	.97
Operational Areas	(≥HP6)	(<HP6)
In Plant Storage	.27	.73
In Plant Processing	.22	.78
In Transit	.12	.88
Loading-Unloading Area	.09	.91

The low probability of a non-tank container spill being of high hazard potential reflects the smaller quantities of material likely to be involved. Although highly hazardous materials may be shipped or stored in non-tank containers (e.g., cans, drums, bottles), the amount spilled is usually small. Conversely, tank incidents are more likely to be of high hazard potential because of sheer quantity, even though materials involved may be less hazardous than many in non-tank container incidents.

B. Hazardous material spill causes (with associated secondary causes) listed in order of priority for future research in spill prevention are:

	Primary Cause	Associated Secondary Causes
1.	Tank Overflow	Personnel Error, Gauge Missing or Defective, Other Mechanical Defect
2.	Tank Rupture or Puncture	Loose or Leaking Cover, Valve Broken, Derailment, Collision and/or Overturn
3.	Hose, Transfer System Failure	Hose or Coupling Failure, Personnel Error, Mechanical Failure, Material Defect
4.	Non-Tank Rupture or Puncture	Body or Container Failure, Sharp Object, Improper Loading

Tank Overflow incidents and Tank Rupture or Puncture incidents are given top priority in that order. They are reversed in order from their standing in conclusion A because it is believed that Tank Overflow incidents are largely "preventable" in an immediate and practical sense, whereas many Tank Rupture or Puncture incidents probably are not. Above and beyond training of personnel, there are solutions consisting of properly designed, reliable hardware now within the state of the art and possibly on the market which can virtually eliminate the Tank Overflow problem. Research in this area offers the best chance for rapid payback in the form of ameliorating a problem area.

Tank Rupture or Puncture incidents usually involve derailment, collision and/or overturn, and the secondary causes Loose Cover, Leaking Cover, and Valve Broken appear in approximately 20 percent of the incidents. This indicates that transport tankers currently in use may require better protection for covers and valves.

C. Frequent associations of primary and secondary causes, given in terms of percent of primary cause incidents in which the secondary cause appears, are:

Primary Cause	Secondary Cause
Tank Rupture, Puncture	Derailment, Collision and/or Overturn (54.7%)
" " "	Body, Container Failure (33.4%)
" " "	Sharp Object (15.5%)
Tank Overflow, Leakage	Personnel Error (20.6%)
" " "	No Known Secondary Cause (26.4%)
" " "	Mechanical Failure (18.5%)
Hose, Transfer System Failure	Hose or Coupling Failure (75.0%)
Non-Tank Rupture, Puncture	Sharp Object (31.1%)
	Improper Loading (25.5%)

Note: The sum of percentages may exceed 100 percent as each primary cause incident may have several secondary causes assigned to it in various combinations.

D. The distribution of reported spills by primary cause is: Non-Tank Rupture or Puncture, 43 percent; Tank Rupture or Puncture, 25 percent; Tank Overflows or Other Leakage 17 percent; Hose or Transfer System Failures, 7 percent; Other Causes (including unknown), 7 percent.

The distribution of reported spills by operational area is: In Transit, 57 percent; Loading-Unloading, 25 percent; In Plant Process, 10 percent; In Plant Storage, 7 percent.

Note: The distributions given are those of reported spills, i.e., the distributions of the samples obtained, and are not represented as the true distributions of national spill experience by cause and operational area.

2. Data Collection

A. Due to the proprietary nature of the information and lack of central reporting, information on In Plant spills is most difficult to obtain. Analysis is hampered by the lack of essential detail in many reports. It is believed that many In Plant spills are not reported at all for a variety of reasons (see Section VI).

B. It is believed that In Transit spills are more completely reported than other categories due to reporting requirements in existence.

3. Injuries and Hazardous Material Spills

A. Relatively few injuries were reported in association with the spills documented (see Table 4). The large number of hazardous material injuries (although not necessarily associated with spills) reported to the State of California for 1972, corroborates the conclusion that spill injuries and spills in general are greatly underreported (see Tables 4,5).

B. Many injuries involved with Non-Tank Container Rupture or Puncture incidents were the result of inhalation of the vapors of spilled materials. These injuries were generally minor.

C. Seventy-eight percent of the Tank Rupture or Puncture incidents with injury involved the secondary causes derailment, collision and/or overturn, indicating operator injuries largely due to the secondary causes rather than the spill.

D. The injuries associated with Tank Overflow or Leakages and Hose or Transfer System Failures were largely due to the spill rather than directly attributable to a secondary cause.

4. Frequently Spilled Hazardous Materials

A. The five specific materials most frequently reported were sulfuric acid (106 reports), ammonium nitrate fertilizer (77), sodium hydroxide (47), hydrochloric acid (44), and ethyl parathion (26)(see Appendix E).

B. The average and largest spills for these materials were: Sulfuric acid, 30,000 l (8000 gal) and 1,100,000 l (300,000 gal); Ammonium nitrate 16000 kg (18 tons) and 910,000 kg (1000 tons); Caustic soda, 15,000 l (4000 gal) and 190,000 l (50,000 gal); Hydrochloric acid 13,000 l (3500 gal) and 360,000 l (95,000 gal); Ethyl parathion, 620 l (160 gal) and 14,000 l (3700 gal) (see Appendix E).

C. Toxicity data for these materials varied from 2140 mg/kg LD_{50} for sulfuric acid to 2 mg/kg LD_{50} for ethyl parathion (Toxic Substances List, 1974 Edition).

D. The most frequent causes of spills involving sulfuric acid, caustic soda, or hydrochloric acid were tank rupture or puncture involving collision, derailment or overturn, often with loss at a valve or cover. Ammonium nitrate and ethyl parathion spills involved respectively bags and pails or drums which failed due to improper loading and/or contact with sharp objects (see Appendix G).

E. The mean Hazard Potential (HP) of each of the five most frequently spilled materials was less than 2.96, the mean HP of spills in general (see Appendix H and Figure 5). This indicates that these materials, although often presenting a large volume spill possibility, or having high toxicity in the case of ethyl parathion, have had spill experience less severe than average, in terms of HP.

F. Of materials frequently reported, those with the highest mean HP were Anhydrous Ammonia (6.00), Toluene (5.86), Nitric Acid (4.73), Phenol (4.53), Methyl Alcohol (3.57) and Xylene (3.40) (see Appendix H).

G. Hazard Potential category ten (HP10) represents spills with the highest potential severity. Toluene had the most HP10's reported, at five. Anhydrous ammonia, phenol and nitric acid each had three.

H. Fifty-seven reported spills involved multiple spilled hazardous materials. The mean HP of these spills was well above that for all spills, at 5.33. By operational area, multiple spills were evenly distributed among "In Transit" (17), "In Plant-Process" (20) and "In Plant-Storage" (17). However, three of the four HP10 multiple spill incidents involved railroad tank cars and the "In Transit" operational area.

I. Lack of specific material names in spill reports has required frequent use of general designations such as industrial wastes and chemicals, and insecticides. As toxicity data were lacking due to this form of incomplete reporting, these incidents could not be analyzed in terms of HP.

J. By EPA Region, spill reports were distributed as follows: I, 97; II, 73; III, 238; IV, 243; V, 277; VI, 228; VII, 42; VIII, 55; IX, 135; X, 53 (see Appendix I).

SECTION IV

DATA FORMAT AND ACQUISITION SOURCES

The following operational areas describe generally locations in which spills occur:

1. loading-unloading areas (transfer points)
2. in transit,
3. processing, and
4. storage.

In order to obtain data on hazardous material spill incidents in these areas, a large number of sources, both public and private, were contacted. Public sources providing significant data included:

1. The Environmental Protection Agency;
2. The Department of Transportation
    a. Office of Hazardous Materials
    b. Coast Guard Pollution Enforcement Branch
    c. Coast Guard Office of Merchant Marine Safety, Cargo and Hazardous Materials Division
    d. Office of Pipeline Safety;
3. Department of Natural Resources - Commonwealth of Massachusetts; and
4. Maryland Water Quality Enforcement Branch, Maryland Department of Natural Resources.

Private sources included the fire, boiler and machinery loss records of the Factory Mutual System and the loss records of the Liberty Mutual Insurance Company, and data collected by Geraghty & Miller, Incorporated. Newspapers and trade journals were also examined. A number of other potential sources were also explored but proved unable to provide pertinent data.

A documentation report sheet was designed to record significant information for each spill incident. Entries in the following categories were sought from the cited data sources:

Source
Date
Time
Site
Weather
Injuries or fatalities to operating personnel
Injuries or fatalities to others
Occupancy
Fire or explosion
Operational area
Equipment involved
Quantity spilled and rate
Packaging
Value of material spilled
Damage
Estimated environmental damage
Cost of cleanup
Types of and proximity to water courses
Hazard potential
Causes of the incident
Description of the event

This format includes all factors considered necessary to attain the specific work objectives. Not all of the sources interrogated held the water pollution problem as their primary area of interest. Thus, the data contained in the incident reports examined did not coincide completely with the categories indicated in the format. Nevertheless, it was considered worthwhile to examine all available data, since, in doing so, as many pertinent incidents as possible were identified and included in the data base, if minimum information requirements were met (i.e., material spilled and/or cause and effect relationships could be determined). Figure 1 is an example of a completed Documentating Report Sheet. Data were collected as available for the period 1971 through

June 1973 and were organized into a computer format for ease of sorting and statistical analysis (see Appendix A). Data for 1968-1970 were collected, but were not included in the statistical analysis as it was extremely limited in quantity.

It was established that pertinent incidents would include any spills of hazardous materials which could have led potentially to pollution of water, whether or not such pollution was known to have occurred. Oil spills were generally excluded except where oil was contaminated by some hazardous material, or in a few cases, where the causes of an oil spill related to other hazardous material spills, and were essentially independent of the fact that oil was the material involved.

Information was most widely available for incidents occurring in transit and in transfer operational modes, since the Department of Transportation Office of Hazardous Materials, Coast Guard and EPA are most often notified of these spills. In-plant process spills and spills from storage have been the most difficult to document. This data is usually not reported to one of the above agencies, because the spills generally occur on private property and are not presently required by law to be reported to any agency. In an effort to acquire such data, over 6,000 incidents reported to the Factory Mutual System were examined to determine whether a release of hazardous material was involved. It could be ascertained for only 200 incidents that such a release did occur. These incidents were associated with an insured loss, such as fire, flood, explosion, vandalism, or equipment failure resulting in a loss exceeding a minimum deductible limit; otherwise, they would not have been found in the Factory Mutual data base. Other spills occurring in-plant or from storage were discovered in the records kept by Coast Guard, State of Maryland and EPA, but these made up only a very small percentage of the total number of incidents recorded by these sources.

FMRC Serial No. 22405

1. **Source(s) of Information:** Report No. NTSB-RAR-72-6 and "Fire Command" Vol. 39, 1972 Jan.

2. **Date:** 10/19/71 3. **Time:** 1:44 p.m.

4. **Site:** Mykawa Station ~ 10 miles south of center of Houston, Texas 5. **Weather:** NAF

6. **Injuries/fatalities:** operating personnel 0 / 0 ; others 50 / 1

7. **Occupancy:** R. R. Tank Car Transport 8. **Fire/explosion:** Yes/Yes

9. **Operational Area:** In Transit

10. **Equipment involved:** R. R. Tank Cars

11. **Material involved:** Liquefied Vinyl Chloride, Acetone

12. **Quantity spilled and rate:** Vinyl Chloride 132,700 litres, 35,000 gal. at rapid rate

13. **Packaging:** R. R. Tank Cars

14. **Value of material spilled:** Est. $22,000 15. **Damage:** $376,204

16. **Est. environmental damage:** See remarks for materials in derailed cars.

17. **Cost of clean up:** UNK. 18. **Type(s) of and proximity to watercourses:** Drainage ditch to Sims Bayou, ~ 1 1/4 miles west, Clear Creek ~ 2 miles south, Sims Bayou ~ 2 miles north, both crossed by the r.r. track.

19. **Hazard potential:** Fire, explosion, water pollution, great amounts of toxic materials could have been released (see remarks)

20. **Cause(s):** 1) Puncture of tank cars, 2) derailment 3) due to track failure, 4) due to forces encountered in emergency braking, 5) emergency braking due to excessive brake pipe leakage (probable cause of braking).

21 **Narrative:** Twenty cars derailed as a result of accidental emergency braking. Two tank cars carrying vinyl chloride punctured, ignited. Approx. 45 minutes later one tank car ruptured violently, another rocketed 300 feet and started secondary fire on acetone tanker. Firemen had attempted to cool the tanks. Most of the 50 injured were firemen, and one was killed.

22. **Major factor(s) in extent of incident:** Puncture of tank cars and ignition of contents. Failure to follow procedures for identifying threats to public safety.

23. **Remarks:** Prior brake inspection was not conducted according to Federal regulations.

Derailed Cars included:	No.	Commodity	Capacity Litres	Capacity Gal.	Hazardous Commodity Classification	Toxic Effect through
	6	Liquefied vinyl chloride	1,893,313	501,800	Flammable	Inhalation
	1	Butadiene	126,798	33,500	Flammable Compressed Gas	Inhalation
	1	Acetone	78,728	20,800	Flammable Liquid	Inhalation
	1	Formaldehyde	79,864	21,100	Not Regulated	Ingestion
	1	Caustic Soda	37,850	10,000	Corrosive	Ingestion Contact

FIGURE 1 DOCUMENTATION REPORT SHEET

SECTION V

DEVELOPMENT OF HAZARD POTENTIAL

The design and assignment of hazard potential categories for individual spills was not a principal element in the work effort. It was needed, however, in order to rank and normalize spills of diverse materials by their potential severity ("potential" because all spills documented were considered as potentially affecting surface waters regardless of where the spill occurred or when it was cleaned up).

It was considered desirable for analysis to compare spills on a scale from one to ten and to include in these ten categories consideration of all possible quantities of material, and the toxicity range (Relative Hazard Level) of the material. The choice of the scale for the categories was made pragmatically, to prevent an unrealistic "bunching" of spills due to excessive breadth of a category at the low end and to provide sufficient differentiation among spills to distribute them across the entire range of categories in relation to a rational measure of their hazard potential. The limited number of categories was chosen to facilitate documentation tasks and to simplify visual interpretation and comparison of the data, particularly when the number of documented incidents was small.

Finding The Hazard Potential Category For A Given Spill

Hazard potential was obtained by first assigning a specific material to a Relative Hazard Level, from 1 through 5, based upon LD_{50} toxicity data. LD_{50} level is that dosage at which 50 percent of test organisms succumb to the agent adminstered. Lethal dosages for humans are typically lower than the LD_{50} dosage. The most severe hazard is rated at 5 as indicated in Table 1.

Table 1. RELATIONSHIP OF RELATIVE HAZARD TO TOXICITY RANGE

Relative Hazard Level	Toxicity Range for LD_{50} (mg/kg)
1	$LD_{50} > 5000$
2	$1000 < LD_{50} \leq 5000$
3	$100 < LD_{50} \leq 1000$
4	$10 < LD_{50} \leq 100$
5	$LD_{50} \leq 10$

The Relative Hazard Level (RHL) of the material and the quantity of material spilled determines the Hazard Potential Category (HPC) to which a particular spill incident is assigned. Table 2 presents for each RHL the quantities of material which divide the HPC scale into its ten categories. The table allows the HPC simply to be read off if quantity and RHL of the material are known.

Table 2. HAZARD POTENTIAL CATEGORIZATION TABLE

	Quantity of Material Spilled (liter or kg)				
Hazard	Relative Hazard Level				
Potential	1	2	3	4	5
1.	7,500	2,500	500	50	5
2.	19,000	6,500	1,300	130	13
3.	38,000	12,500	2,500	250	25
4.	75,000	25,000	5,000	500	50
5.	150,000	50,000	10,000	1,000	100
6.	380,000	125,000	25,000	2,500	250
7.	750,000	250,000	50,000	5,000	500
8.	1,500,000	500,000	100,000	10,000	1,000
9.	3,800,000	1,250,000	250,000	25,000	2,500
10.	>3,800,000	>1,250,000	>250,000	>25,000	>2,500

To determine Hazard Potential, read down the Relative Hazard Level column to the first number greater than the quantity spilled in liters or kilograms, or to the bottom if no number exceeds the spill quantity. Read off the Hazard Potential from the left.

Example: Material with relative hazard 2, such as methyl ethyl ketone, 10,000 liters spilled. First number greater than 10,000 in column 2 is 12,500. Reading over to the left, Hazard Potential is 3.

The RHL toxicity ranges were modeled on a system used in the Handbook of Analytical Toxicology(5), NFPA Standard No. 49, entitled "Hazardous Chemicals Data,"(6) and on some preliminary work done for the International Joint Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP) by the U.S. Coast Guard and the National Academy of Science (unpublished). As much as possible, the LD_{50} data used was determined with rats as the test animals and the route of administration was oral. It is recognized that other criteria have been proposed to rate the relative effects of a pollutant in a waterway. However, for our purposes, use of the LD_{50} was reasonable. When this information was not available, other toxicity data or qualitative description of the toxicity of the material was used to assign a relative hazard level.

The quantities of material spilled in the Hazard Potential Categorization Table (Table 2) were calculated based on the RHL toxicity ranges, a chosen volume of water representative of one hour's summer flow for some navigable rivers, and an arbitrary set of percentage ranges corresponding to and thus defining HPCs. For additional information on the construction of Table 2, see Appendix D.

The HPC of an incident does not relate to a spill in any particular body of water. Rather, it is a relative measure of hazard that can be assigned to a spill of any amount of any material anywhere, as long as the quantity and RHL of the spilled material are known. It is greatly simplified from the real world and arbitrary to some extent, but it is a basis for comparison of severity of incidents in the statistical treatment of the data.

SECTION VI

DATA TREATMENT AND ANALYSIS

Hazardous material spills can be treated as completely random events, since the likelihood of occurrence of an event is entirely independent of other spills which have occurred. As borne out by the data (see Figure 1), larger (more serious) events are, in general, less probable than smaller events. These characteristics are shared by other types of events such as traffic accidents and fire losses. The statistical distributions of such events differ from the normal and are governed by exponential functions. Based on observation of the data and the theoretical similarities of the processes generating the different type of events, hazardous material spills of various hazard potential can also be modeled according to an exponential distribution. The mathematical form of this exponential distribution is:

$$F(x) = 1 - e^{-\alpha x} \qquad (1)$$

for $x \geq 0$.

where α is a positive constant associated with the specific distribution, and,

x is the independent variable, in this case, hazard potential.(8)

(N.B.) These definitions are also valid for Equations 2 and 3. The graphical form of the exponential distribution is shown in Figure 2.

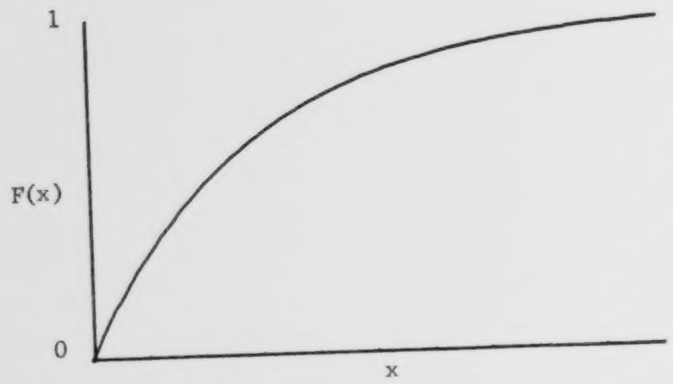

FIGURE 2 GRAPHICAL REPRESENTATION OF $F(x) = 1 - e^{-\alpha x}$
Exponential Distribution Function, $\alpha = .35$

The exponential density function, first derivative of the distribution is:

$$f\ (x) = \alpha e^{-\alpha x}, \tag{2}$$

for $x \geq 0$. $F(x) = f\ (x) = 0$ for $x < 0$ by definition.
(See Reference 8)

The graphical representation of Equation 2 is shown in Figure 3. The distribution function (Equation 1) tells the probability of an incident taking an x value less than or equal to any chosen point on the x-axis, and the density function (Equation 2) is the first derivative of the distribution function. Integrating the density function over an interval of the x-axis gives the probability of an incident taking an x value in that interval (the total area under the curve is equal to one).

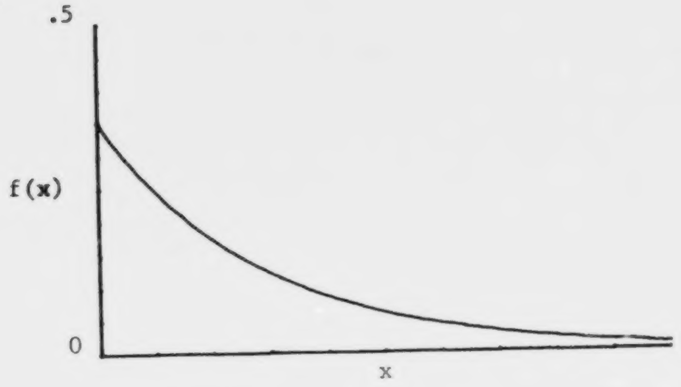

FIGURE 3 GRAPHICAL REPRESENTATION OF $f(x) = \alpha e^{-\alpha x}$
Exponential Density Function, $\alpha = .35$

An interesting characteristic of this type of function is that its expected value, E(x), is equal to its standard deviation, σ_x, as follows:

$$E(x) = \sigma_x = \alpha^{-1} \qquad (3)$$

The reported hazardous material spills documented in this work for which hazard potential could be determined support the theoretical observations above. The data exhibit the characteristic of expected value being nearly equal to the standard deviation, which is another indication that the data has an exponential distribution. Regression analysis performed on the data show good correlation with the exponential form and t and F tests show statistical significance at the 99-percent level of confidence.

Standard statistical tests for comparing samples and drawing conclusions with regard to their parent distributions are based on assumptions of normality and thus, do not apply to this data. Non-parametric techniques such as the process by which hazard potential categories were assigned was based on a discrete scale (e.g., an incident is either 2 or 3, not 2.5). This could introduce biases that would not be accounted for by the aforementioned statistical tests which assume a continuous scale. If good estimates of the parameters for the exponential model for each category (cause, operational area or other breakdown) can be obtained, graphical comparison will suffice to determine if certain types of incidents are significantly more likely to be serious than others.

Figures 4-14 contain data for the period January 1, 1971 to June 30, 1973. The number of incidents presented in these figures varies and may at first appear inconsistent. However, this is not the case, as different pieces of data were unknown for different incidents. Thus, the number of incidents for which the operational area is known (Figure 4) is different than the number of incidents for which the primary cause is known (Figure 10). Similarly, the number of incidents for which hazard potential is known (Figure 5) differs from that for which hazard potential and operational area (Figures 6-9) or hazard potential and primary cause (Figures 11-14) are known.

Figure 4 shows the distribution of incidents by operational areas from the IBM tabulation. In Transit provides the majority of incidents reported (57 percent) due to the requirement of carriers to report incidents under the Hazardous Materials Transportation Control Act of 1970. Loading-Unloading areas rank second in proportion of reported incidents (25 percent) perhaps due to this same act, while In-plant Storage (7 percent) and Processing (10 percent) show fewer reports of incidents.

Figure 5 is a plot of frequency of incidents (in terms of percentage) as a function of Hazard Potential Category for all causes and areas. If the peaks of this distribution were connected the resulting curve would approximate an exponential density function of the form referred to in Equation (2).

Similar distributions hold for incidents occurring in the In-Transit (Figure 6) operational area and in Loading and Unloading (Figure 4).

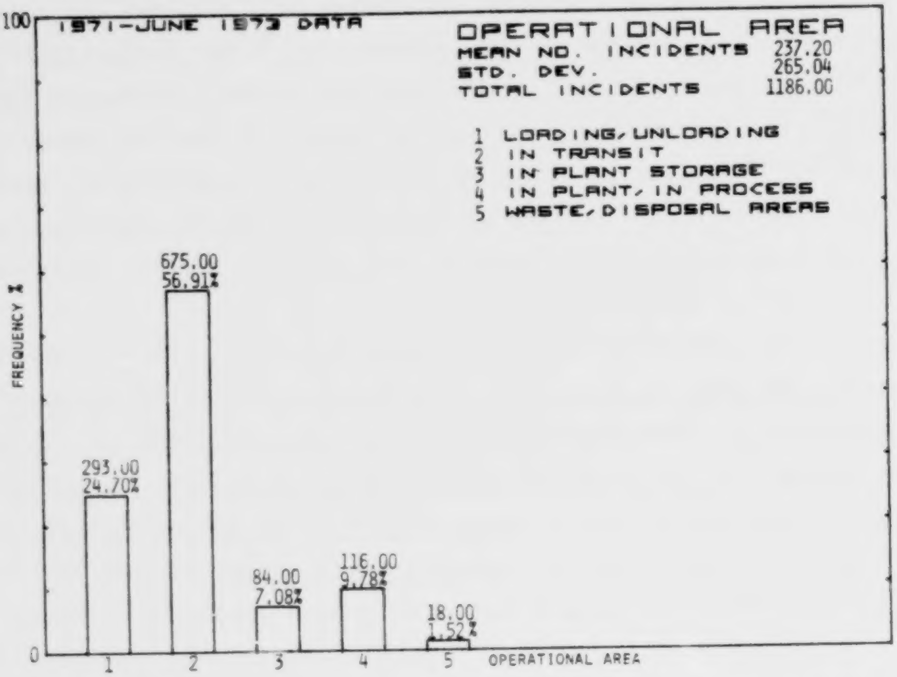

FIGURE 4 DISTRIBUTION OF INCIDENTS BY OPERATIONAL AREA

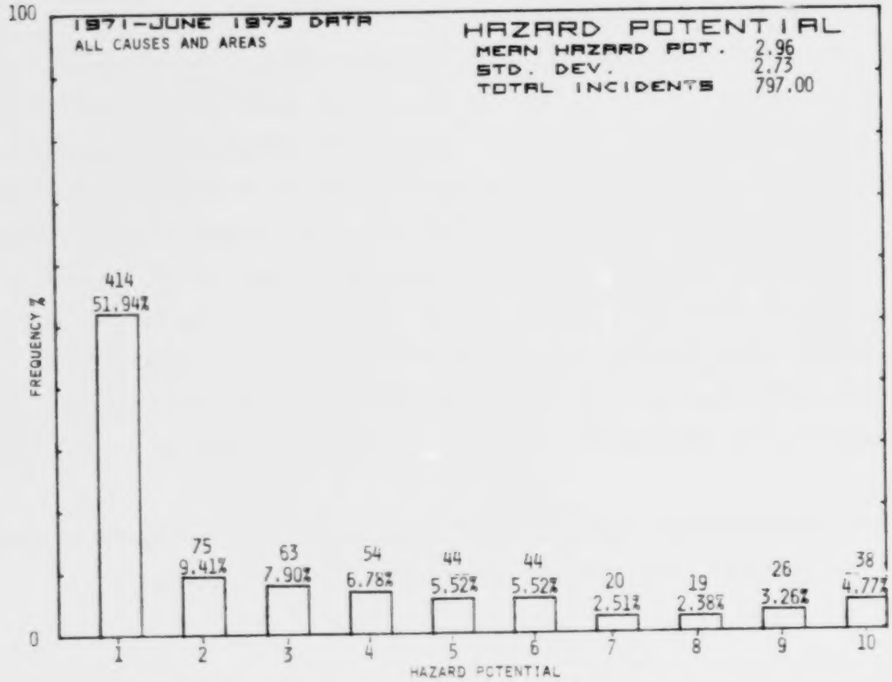

FIGURE 5 DISTRIBUTION OF INCIDENTS BY HAZARD POTENTIAL CATEGORY

Figure 8 shows the frequency distribution of data for In-Plant Storage, while Figure 9 presents the frequency distribution of In-Plant Process spill incidents. These do not display the characteristic shape of the exponential density function. This apparent difference can be explained by the limited number of reported incidents which could be classified in the Hazard Potential scheme due to lack of complete information. It is likely that more detailed reports and more complete reporting of incidents in these two operational areas would result in an exponential density function similar in shape to those of "In Transit" and "Transfer". Confidential interviews with officials of various companies indicate that many spills occurring in In-Plant Storage and Process situations are not reported outside the company and perhaps not even to the company. Some reasons for not reporting such spills are:

1) The material or quantity spilled may not be considered hazardous by an employee;
2) The dollar value of the material spilled and associated business interruption is below insurance deductibles for such a loss and thus insurers are not informed, and
3) The spill may be limited to corporate boundary limits and thus not reported to any agency.

Although the number of incidents reported in these two areas do not provide a clear-cut exponential density function, it is believed that if sufficient data were available they would follow such a distribution.

Figure 10 is a distribution of incidents according to the following primary causes:

1) Rupture, puncture or other failure of a non-tank container;
2) Rupture, puncture or other tank failure (any breach in the integrity of the tank including leaking dome-covers, safety valves or vents, or broken valves, but not including failures of transfer systems;
3) Hose or transfer system failure;
4) Tank overflow or other leakage including valves left open;
5) Other (including unknown).

These categories were selected upon inspection of the data which indicated that the more specific and more numerous secondary causes (see Table 7)

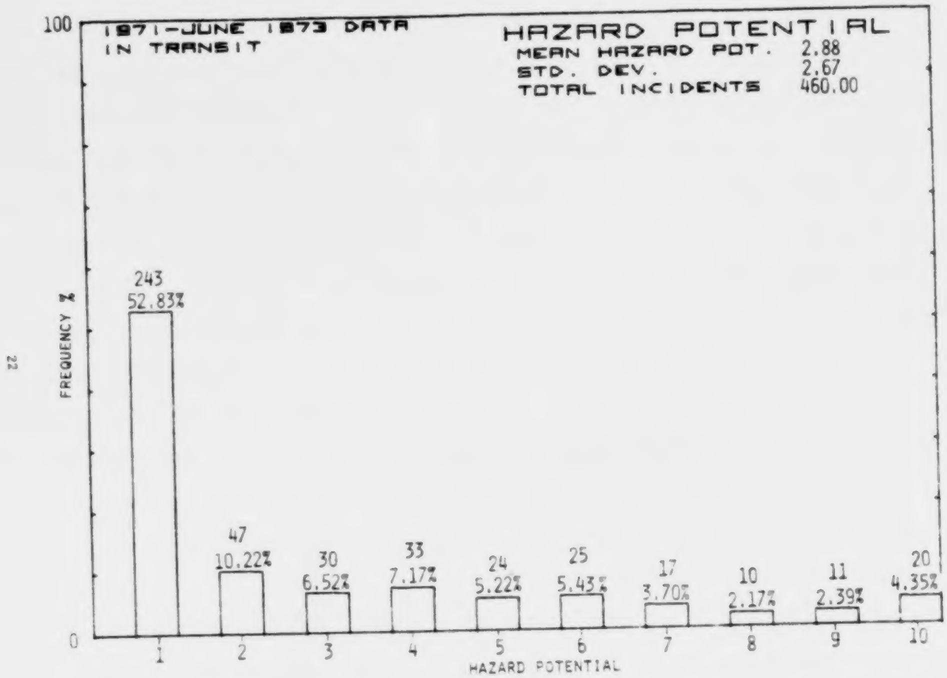

FIGURE 6 DISTRIBUTION OF "IN-TRANSIT" INCIDENTS BY HAZARD POTENTIAL CATEGORY

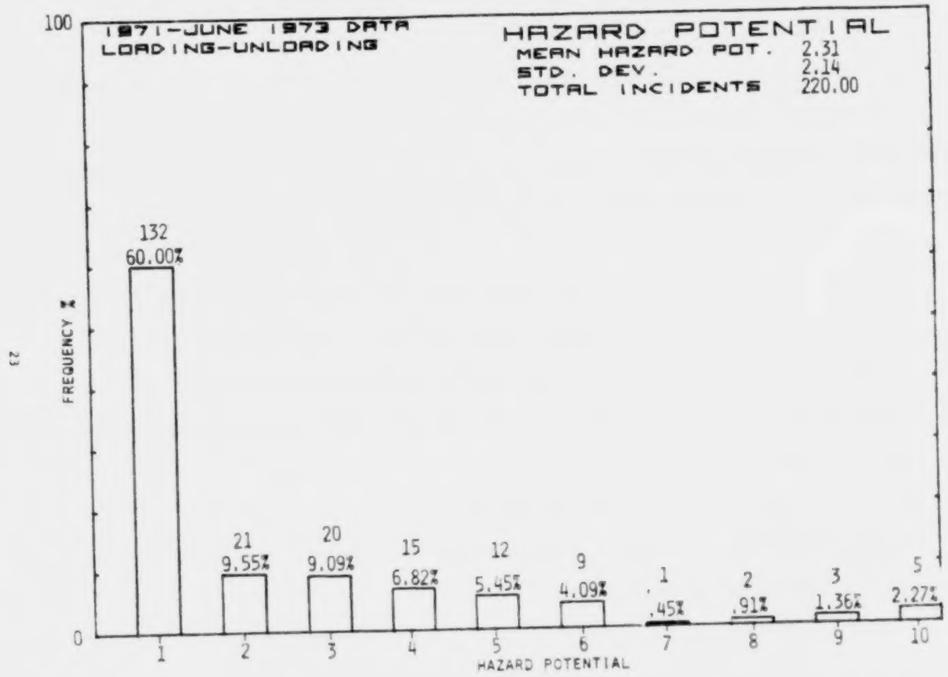

FIGURE 7 DISTRIBUTION OF TRANSFER INCIDENTS BY HAZARD POTENTIAL CATEGORY

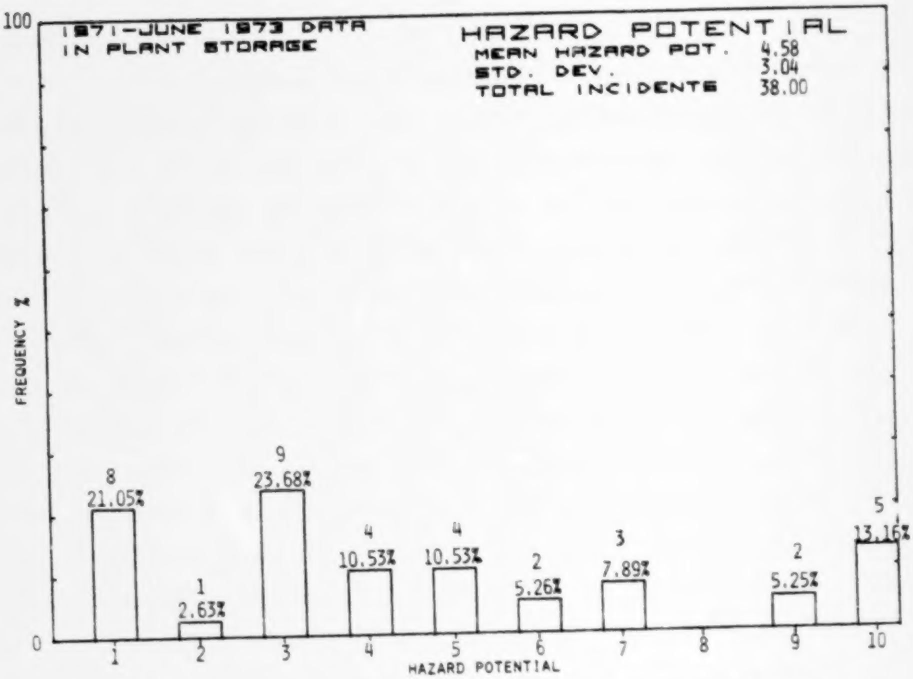

FIGURE 8 DISTRIBUTION OF IN-PLANT STORAGE INCIDENTS BY HAZARD POTENTIAL CATEGORY

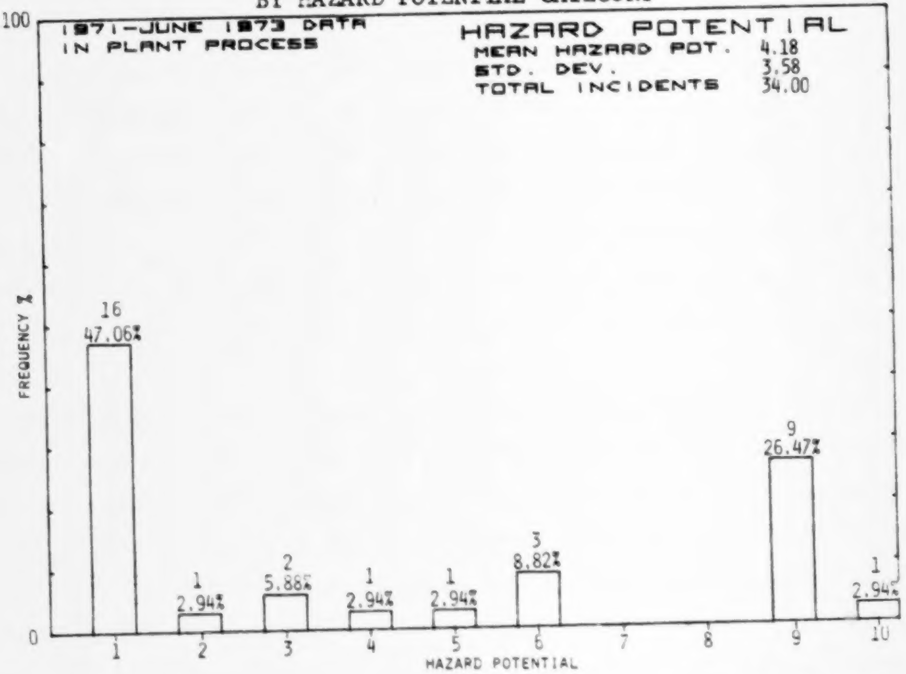

FIGURE 9 DISTRIBUTION OF IN-PLANT PROCESS INCIDENTS BY HAZARD POTENTIAL CATEGORY

could be grouped into a more tractable framework for analysis. A detailed discussion of secondary causes is provided subsequently.

Figure 10 indicates that the highest proportion of reported spills (43 percent) are caused by rupture, puncture or other failure of non-tank containers (for example drums, cans, bottles or bags). Rupture, puncture or other failure of a tank (including over-the-road cargo tanks and fixed storage tanks) results in the next highest proportion of reported spills (25 percent). Tank overflows and other leakages (17 percent of reported spills) rank next followed by Hose or Transfer System Failures (7 percent). Other or unknown causes also account for approximately 7 percent of reported incidents.

This distribution of incidents by cause may be interpreted to show a relationship to the distribution by operational area. The preponderance of incidents with the primary causes, Non-Tank Rupture or Puncture and Tank Rupture or Puncture is related to the large proportion of reported incidents from the operational areas "In Transit" and "Loading and Unloading" (Figure 4). The majority of these incidents occur in circumstances such that reporting is required under the Hazardous Materials Transportation Control Act of 1970. It may be seen upon examination of the data with respect to its source that, of reported spills included in this study, 56 percent of Tank Rupture or Puncture incidents and 92 percent of the Non-Tank Rupture or Puncture incidents are mandated by this act (i.e., they were reported as a hazardous material incident to the Office of Hazardous Materials, U.S. Department of Transportation).

Distributions for four primary causes are presented in Figures 11-14. By inspection, it can be seen that these plots conform to the exponential distribution.

It has been indicated that all spill distributions for operational areas and causes are of the exponential form. It is convenient to treat the data statistically by utilizing the method of moments(8) on observed incidents in specific areas and from specific causes to estimate the parameters of particular exponential density and distribution functions. With the estimated parameters, appropriate curves can be generated. These curves can then be used to see if an accident arising in a particular area or from a particular cause is more likely to be a serious incident than one from

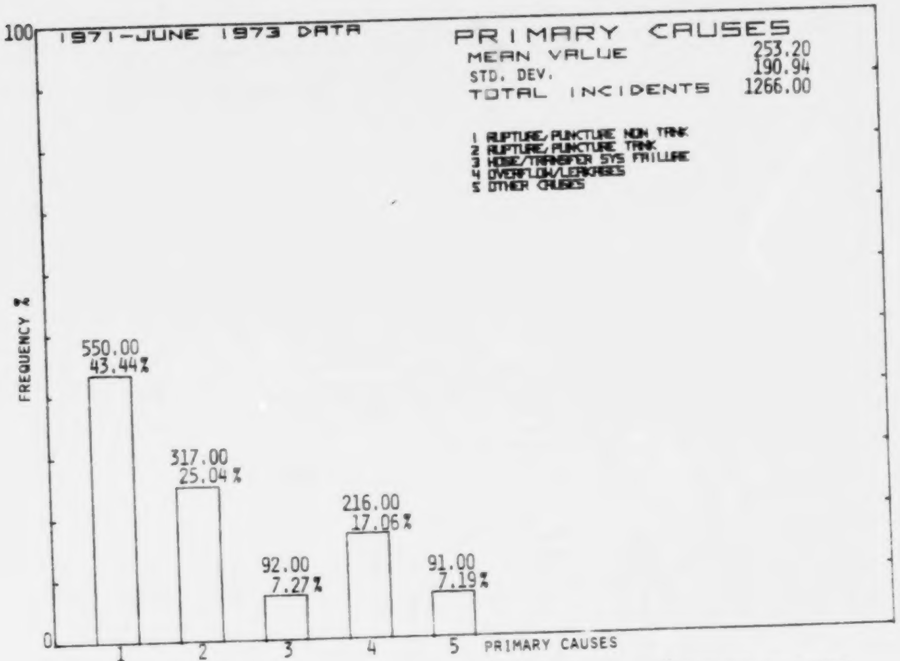

FIGURE 10 DISTRIBUTION OF INCIDENTS BY PRIMARY CAUSES

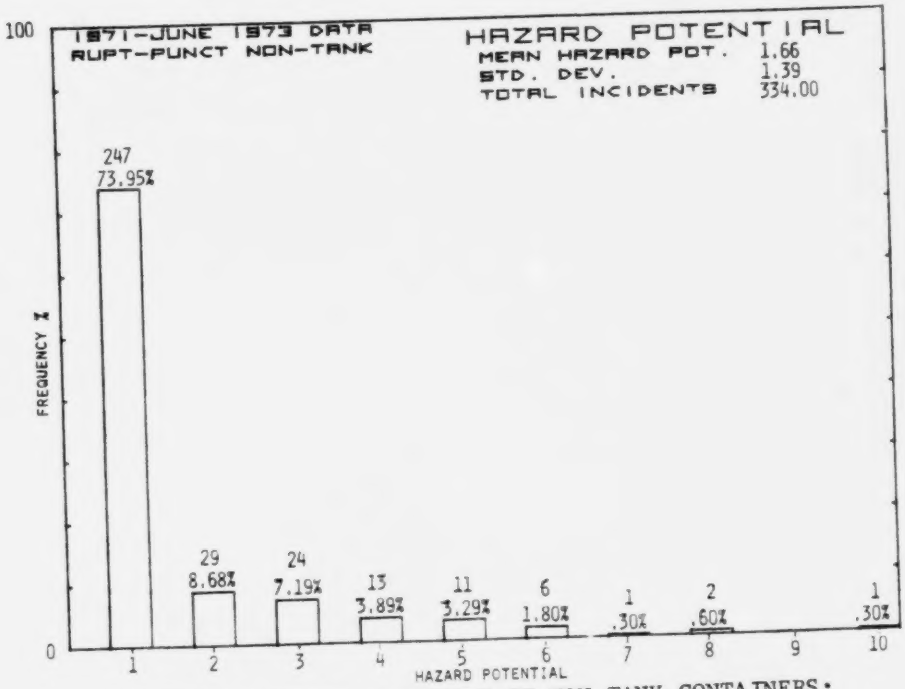

FIGURE 11 RUPTURE-PUNCTURE OF NON-TANK CONTAINERS:
DISTRIBURION BY HAZARD POTENTIAL CATEGORY

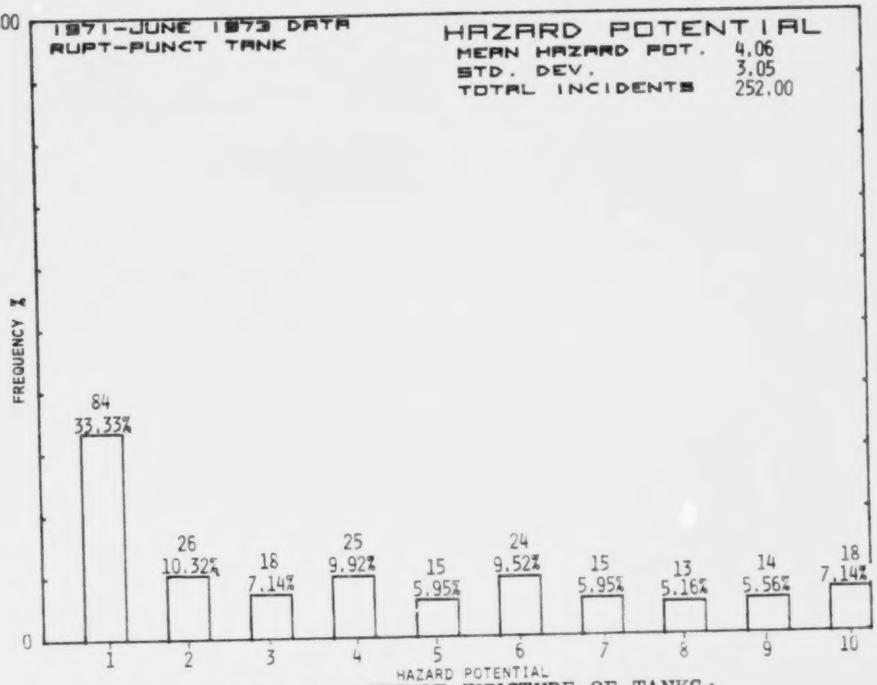

FIGURE 12 RUPTURE-PUNCTURE OF TANKS: DISTRIBUTION BY HAZARD POTENTIAL CATEGORY

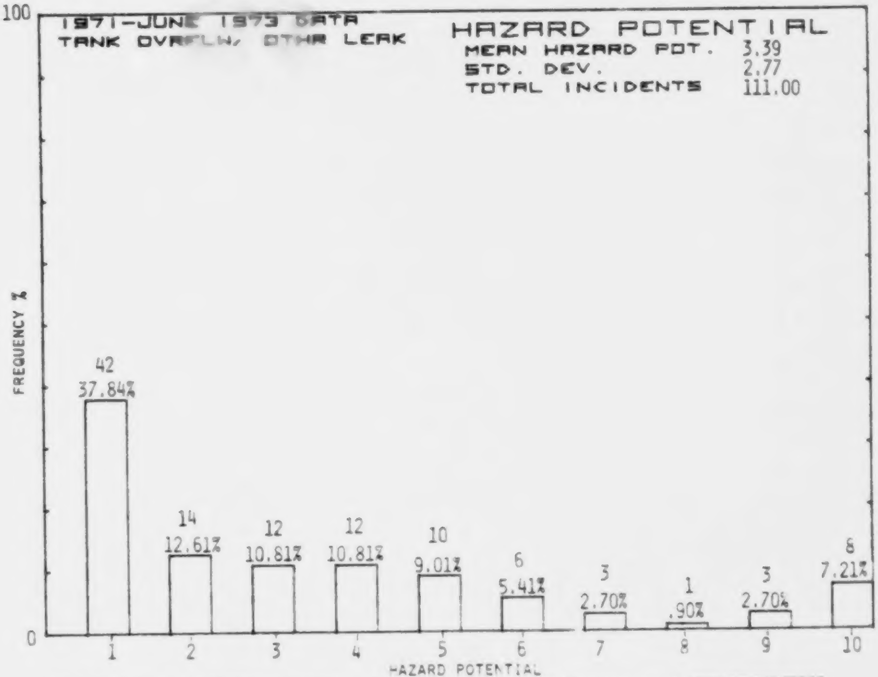

FIGURE 13 TANK OVERFLOW OR OTHER LEAKAGE: DISTRIBUTION BY HAZARD POTENTIAL CATEGORY

another area or cause. Such statistical treatment will permit the formation of the necessary rankings to aid in the establishment of priorities for future research in spill prevention.

It is well to reiterate that the curves in Figures 15-18 are based on samples of spill incident experience (i.e., spills reported with sufficient detail to allow characterization by cause, operational area and Hazard Potential Category). Bias present in the samples will be reflected in the curves.

Two offsetting biasing influences are recognized: 1) under-reporting of minor incidents indicating a greater percentage of serious incidents than is true; and 2) a small number of hazard potential categories reducing the "weight" of the worst incidents, tending to show a mean less than the true mean and a smaller percentage of serious incidents than is true. The degree to which the distributions are ultimately biased is unknown. However, if the bias is similar among the causes and areas, the validity of comparisons would not be compromised.

It is believed that this is the case for the samples obtained for this study with the possible exception of those representing the areas, In Plant Storage and In Plant Process, and the cause, Tank Overflow/Leakage. As noted in comments on Figures 8 and 9, many incidents in these areas are either not reported or are not classifiable by Hazard Potential Category due to lack of information. It is reasonable to assume that incidents of larger size are more likely to be reported from these areas since they are more likely to result in insurance claims or the involvement of property and waters beyond the plant grounds. It is also reasonable to expect that a greater proportion of small incidents in these areas are excluded than are excluded from other areas thus biasing to some extent the expected value (in terms of Hazard Potential Category) and curves toward indicating greater likelihood of higher Hazard Potential. This expected bias may not affect the rankings stated below but one should recognize the possibility.

The data presented in Figure 15 provide the hazard potential distributions of incidents within individual operational areas while Figure 16 provides the same distributions for individual causes. In order to make comparisons of the relative severity of incidents occurring in different

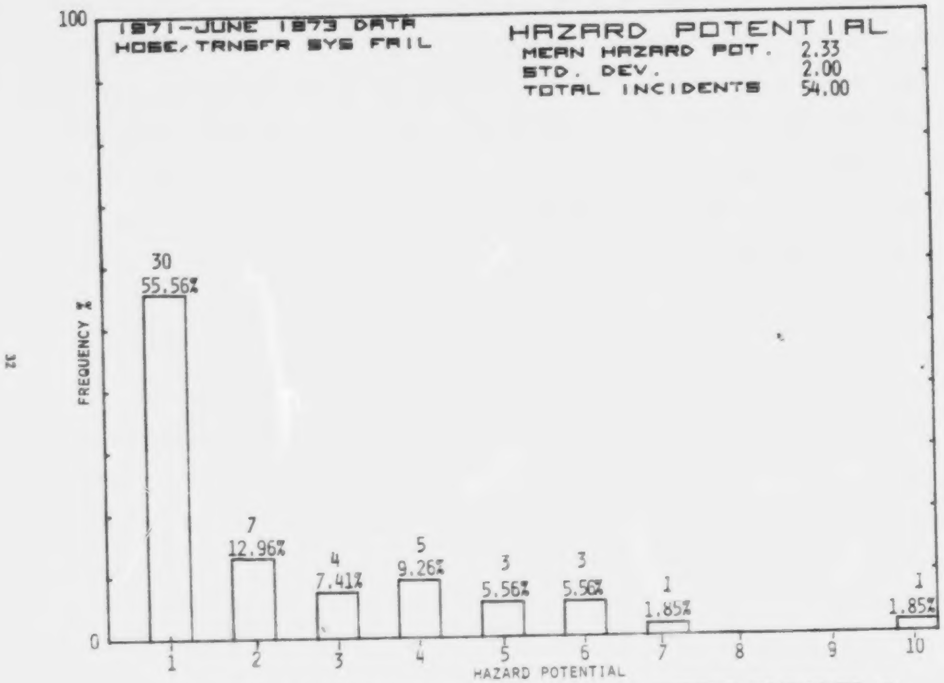

FIGURE 14 HOSE OR OTHER TRANSFER SYSTEM FAILURES: DISTRIBUTION BY HAZARD POTENTIAL CATEGORY

areas or due to different causes, the parameter, α, as shown in equation (3) was calculated from the observed sample data in each case. From this parameter, the particular exponential frequency curve and complement of the distribution curve were generated and plotted using a Hewlett Packard Model 9821A programmable calculator and plotter. This was done for the individual causes and areas as well as for all causes and areas grouped together. The solid line in Figures 15 and 16 represents the grouping of available data for all causes and serves as a reference curve to which the other curves representing individual areas and causes may be compared.

Figures 15 and 16 allow one to read off the probability of a spill incident being of any chosen Hazard Potential Category. Figures 17 and 18 show the probabilities of a spill incident being greater than or equal to any chosen Hazard Potential Category. Examination of these curves shows that, based on reported incidents, spills occurring in the In Plant Storage operational area are more likely to be of the higher hazard potential categories than spills in any other operational area. Other operational areas may be ranked as follows: operational area in which an incident is next most likely to be of the higher hazard potential categories is In Plant Processing followed by In Transit and Loading-Unloading Areas.

Similar examination of the figures with respect to primary causes shows that incidents involving rupture or puncture of bulk tanks are most likely to be of a higher Hazard Potential followed in ranking by incidents involving tank overflow or other leakage. Hose and transfer system failure incidents rank next, while rupture or puncture of non-tank containers is the least likely to be of the higher Hazard Potential categories. Expressed another way, based on the curves in Figure 14 incidents categorized by Hazard Potential, tank rupture or puncture incidents have a .23 probability of being in Hazard Potential Category 6 or higher. Overflow incidents have a .17 probability of being in Hazard Potential Category 6 or higher, while hose and transfer system failure incidents and non-tank rupture or puncture incidents have .08 and .03 probabilities respectively.

Referring to Table 3, relatively few operator injuries and fatalities have been reported among the incidents documented in this study. Many injuries (operator and non-operator) associated with Non-Tank Rupture or

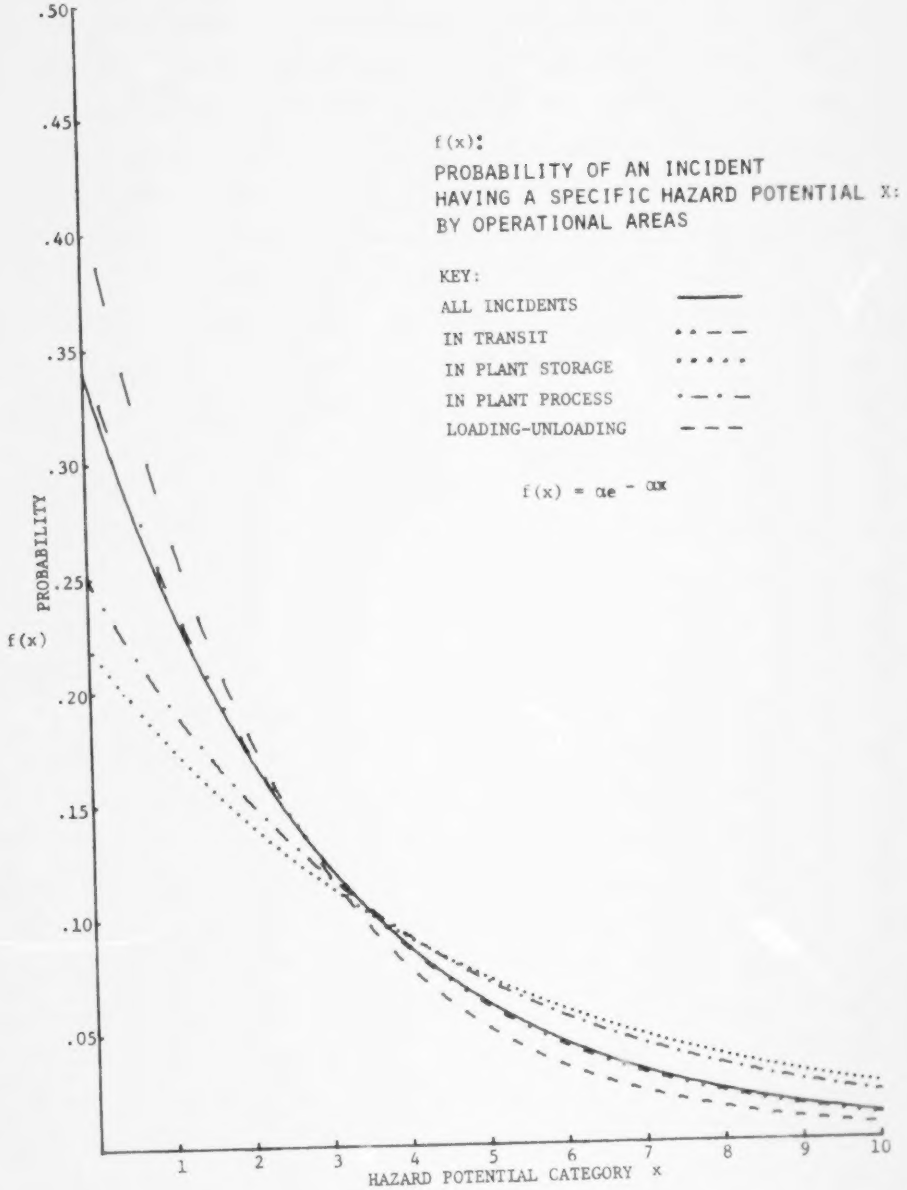

FIGURE 15 FREQUENCY FUNCTIONS FOR OPERATIONAL AREAS

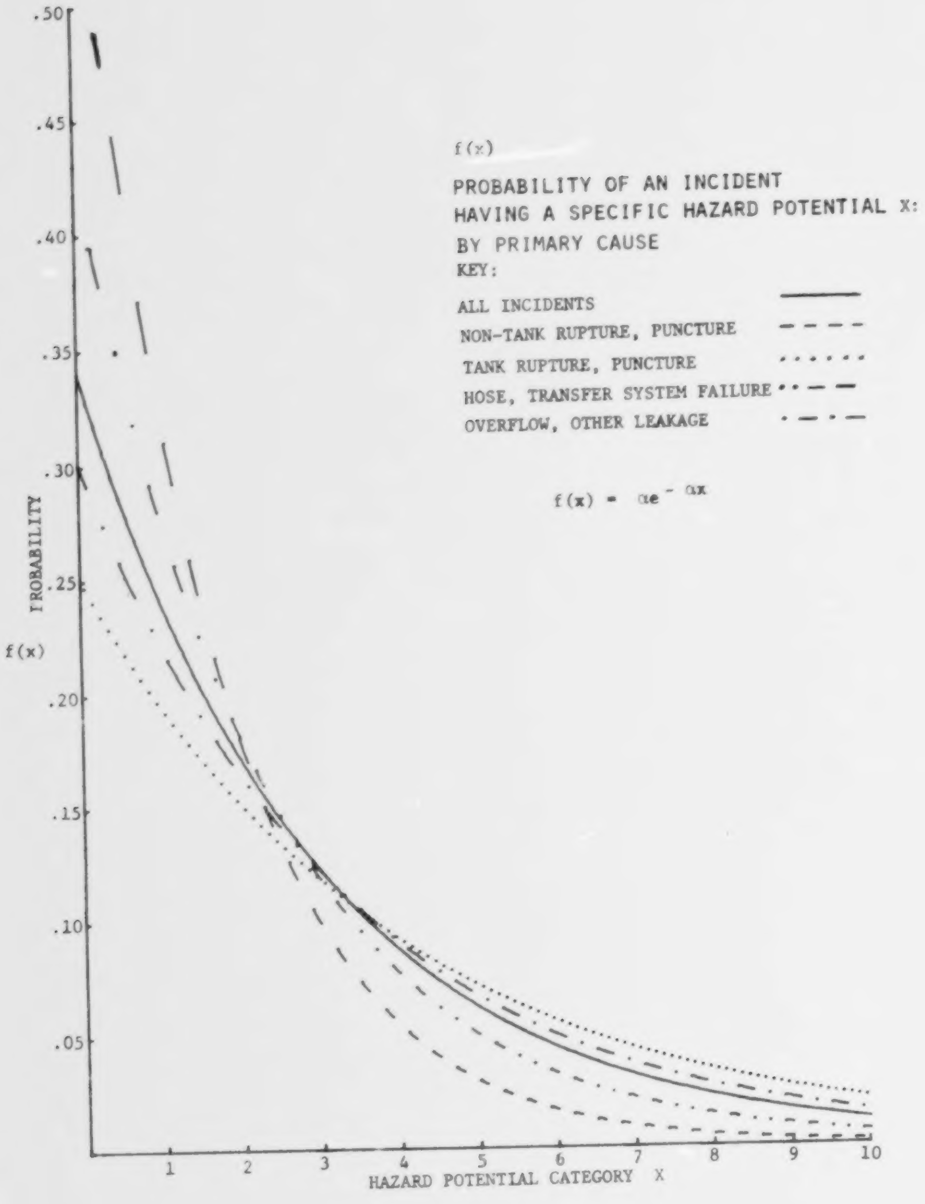

FIGURE 16 FREQUENCY FUNCTIONS FOR PRIMARY CAUSES

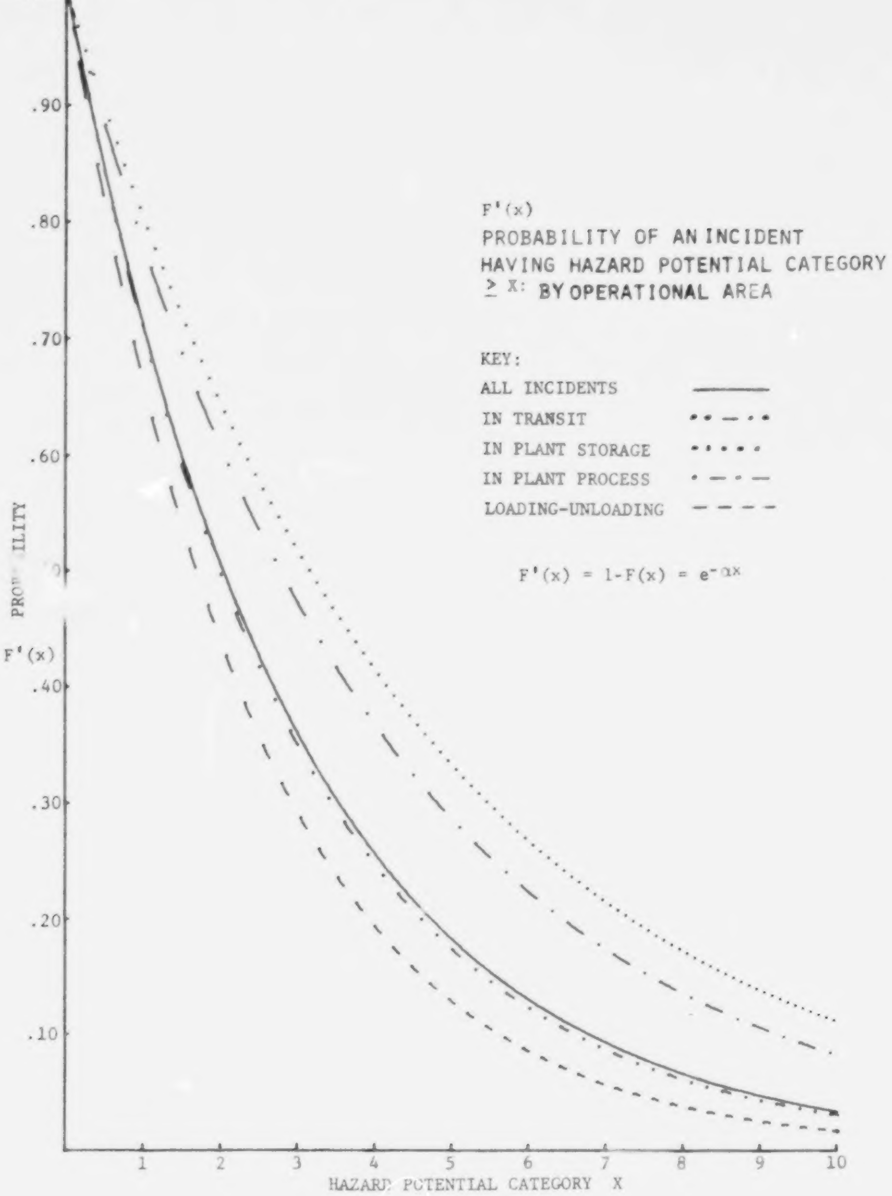

FIGURE 17 COMPLEMENT OF DISTRIBUTION FUNCTIONS FOR OPERATIONAL AREAS

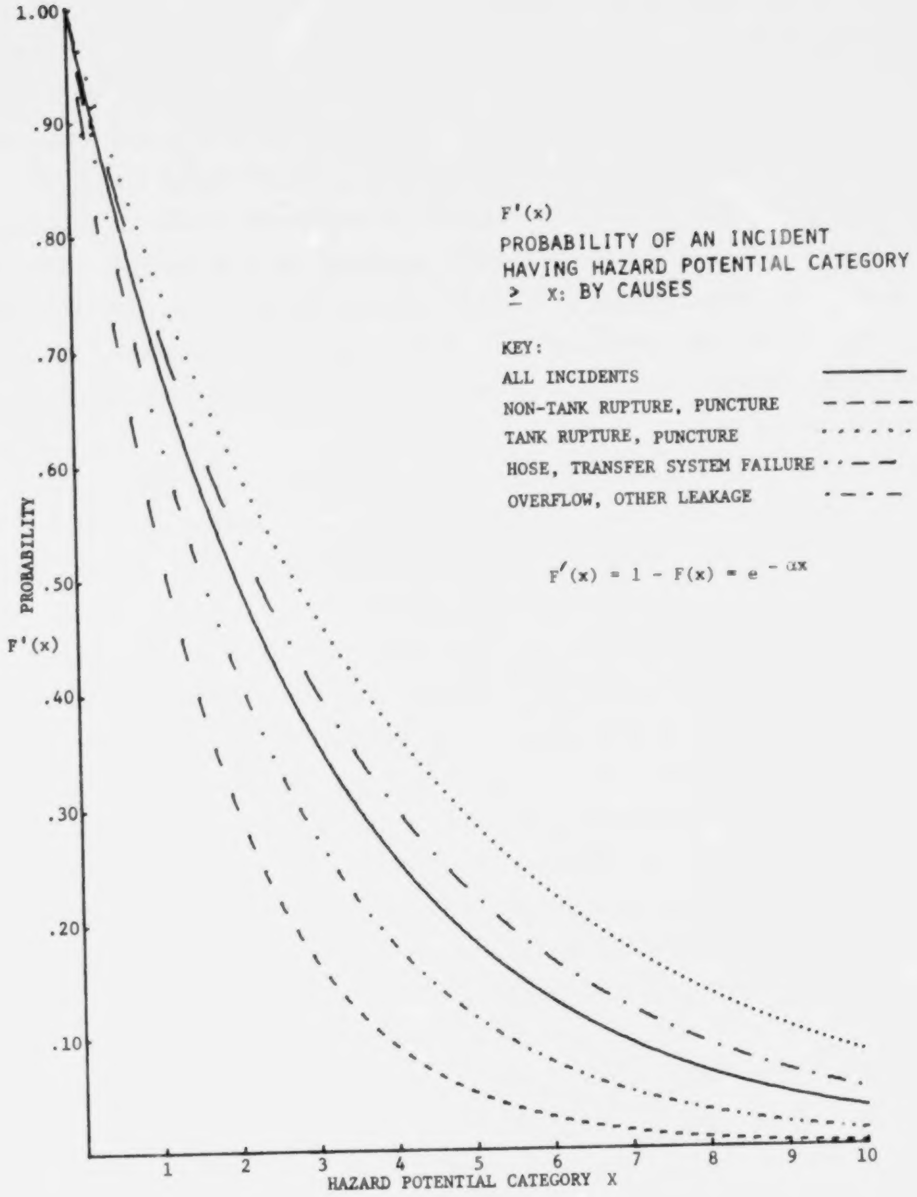

FIGURE 18 COMPLEMENT OF DISTRIBUTION FUNCTIONS FOR PRIMARY CAUSES

Puncture spills were the result of inhalation of vapors by personnel in a loading-unloading area. These were primarily minor injuries where the individuals were taken to a hospital for observation or treatment as a precautionary measure if any effect of the vapors was noticed. In general, actions to minimize the spill were not impaired and the spills were small in size. Most of the injuries associated with Tank Rupture or Puncture spills were sustained by fire-fighting personnel in a single major incident. Seventy-eight percent of the Tank Rupture or Puncture spills involving injury had collision, derailment and/or overturn as a secondary cause while these secondary causes appeared in 54.7 percent of all Tank Rupture-Puncture spills. The prevalence of these secondary causes would indicate that initial injuries were probably not due to the spill but were more likely due to the secondary cause itself.

The number of injuries and fatalities reported is certainly far fewer than those actually occurring in connection with hazardous materials. One may assume that to some extent this is attributable to concern over litigation which could arise as a result of such incidents.

Tables 4 and 5 are constructed from data presented in the report, "California Work Injuries 1972".(9) These tables represent one year's hazardous material injury experience of a single state. Although it is not possible to document the number of hazardous material spills involved in these injuries, one may assume that some proportion was associated with an unintentional release of a hazardous substance. The number of injuries in the tables is so large in comparison with those associated with documented spill incidents that it seems obvious that spill injuries (and surely, spills in general) are greatly underreported.

Tables 6 and 7 present a complete picture of the appearance of secondary causes as associated with primary causes and Hazard Potential Categories. Without consideration of associated primary causes or Hazard Potential Categories (in effect, horizontally summing Table 6 to obtain total incidence of each secondary cause) secondary causes appearing with significantly high frequency (chosen criteria: more than two sample standard deviations above the sample mean) are Body or Container Failure (appears in 30.3 percent of incidents in Tables 6 and 7), and Sharp Object (18.7 percent). Additional

Table 3 INJURIES AND FATALITIES ASSOCIATED WITH DOCUMENTED HAZARDOUS MATERIALS SPILLS

Table 3

INJURIES AND FATALITIES ASSOCIATED WITH DOCUMENTED HAZARDOUS MATERIALS SPILLS

Primary Cause	No. of Incidents Reported	Incidents With Operator Injuries		Incidents With Any Injury or Fatality		Total Injuries	Injuries Per Reported Incident	Incidents With Operator Fatalities		Total Fatalities	Fatalities Per Reported Incident
		No.	%	No.	%			No.	%		
Non-Tank Rupture, Puncture	550	23	4.2	29	5.3	81	.147	2	0.4	3	.006
Tank, Rupture, Puncture	317	14	4.4	18	5.7	80	.252	4	1.3	6	.019
Overflow, Other Leakage	216	5	2.3	9	4.1	19	.088	2	0.9	2	.009
Transfer System Failure	92	6	6.5	10	10.9	10	.207	2	2.2	2	.022
Totals and	1175	48	4.1	66	5.6	190	.162	10	0.9	13	.011

Table 4

DISABLING WORK INJURIES DUE TO CONTACT WITH RADIATION, CAUSTIC, TOXIC OR NOXIOUS SUBSTANCE, 1972*

By Detailed Accident Type	Fatalities	Total Injuries
Inhalation	15	1457
Absorption (Skin Contact)	5	4778
Swallowing	2	126
Drowning	11	11
Asphyxiation	2	2
Other Contact	-	2
Totals	35	6376

By Industry	% of Total Injuries
Agriculture	8.5
Mineral Extraction	0.8
Construction	7.0
Manufacturing	34.5
Transportation, Communication and Utilities	5.7
Trade	8.2
Finance, Insurance and Real Estate	0.9
Service	12.2
State and Local Government	22.3

*Source: California Work Injuries 1972, State of California, Agriculture and Services Agencies, Department of Industrial Relations, Division of Labor Statistics and Research, San Francisco, February 1974.(9)

Table 5

DISABLING WORK INVOLVING CHEMICALS, HOT OR INJURIOUS SUBSTANCES*

Material	Total Injuries	Fatalities
Acids	486	1
Alkalies	378	1
Petroleum Products	230	2
Chlorine	119	1
Gases	91	3
Acetone and other Ketones	68	-
Chemicals, n.e.c.**	572	2
Chemicals--type not stated	250	-
Steam or Hot Water	1,029	3
Hot Fat, Grease	316	2
Asphalt, Tar, Pitch	250	-
Hot or Molten Metal, Slag	193	1
Fire or Flame	146	1
Hot Substances, n.e.c.**	165	-
Radiating Substances or Equipment	781	-
Poisonous Plants	673	-
Dusts	423	4
Foods	347	3
Soap, Detergent, Dishwater	272	-
Smoke, Fumes, n.e.c.**	264	2
Solvents, n.e.c.**	244	-
Cleaning Compounds	242	1
Insecticide, Spray, funigant (except organic phosphates)	215	-
Cement	209	-
Paint, Varnish, Shellac, Lacquer, Enamel	187	-
Fiberglass	125	-
Organic Phosphate Insecticides	122	-
Epoxy Resin	116	-
Drug, Medicine, Cosmetic, n.e.c.**	99	-
Glue, Adhesive	89	-
Smoke Funes--Welding	60	-
Plaster	55	-
Injurious Substances, n.e.c.**	518	-
Injurious Substances--type not stated	281	-
TOTAL	9615	27

* Source: California Work Injuries 1972, State of California, Agriculture and Services Agencies, Department of Industrial Relations, Division of Labor Statistics and Research, San Francisco, February 1974.(9)

** Not elsewhere classified.

Table 6 NUMBER OF APPEARANCES OF SECONDARY CAUSES BY PRIMARY CAUSE AND HAZARD POTENTIAL CATEGORY

PRIMARY CAUSES

HAZARD POTENTIAL CATEGORIES / SECONDARY CAUSES	Tank Rupture - Puncture											Overflow Other Leakage											Hose, Transfer System Failure											Non-Tank Rupture - Puncture										
	10	9	8	7	6	5	4	3	2	1	U*	10	9	8	7	6	5	4	3	2	1	U	10	9	8	7	6	5	4	3	2	1	U	10	9	8	7	6	5	4	3	2	1	U
UNK(If only 2nd cause)	-	-	-	-	-	-	1	1	1	3	-	3	1	-	1	-	4	3	-	4	5	36	-	-	-	-	1	1	1	-	2	5	6	-	-	-	-	-	-	-	-	-	10	6
Body,Container Failure	5	1	3	2	8	7	14	4	11	23	28	1	-	-	-	-	-	-	1	-	3	1	-	-	-	-	-	-	-	1	-	1	-	1	2	1	1	2	5	7	12	13	111	90
Collision	1	2	3	1	5	3	2	1	5	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	2	-
Collision & Overturn	1	1	-	2	-	-	1	1	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
Sharp Object	6	4	5	7	4	6	3	5	3	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6	4	6	1	60	92
Derailment	5	4	5	6	9	4	2	2	1	13	16	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Derailment & Overturn	5	-	1	-	3	-	1	1	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	-
Loose Cap, Cover	1	-	-	1	1	-	-	3	1	12	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	2	-	1	1	-	-	-	-	-	1	-	-	-	17	4
Road, Track Conditions	1	-	-	1	2	1	-	-	1	2	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-
Dropped	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	2	2	-	21	21
Relief Valve Op.	-	1	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hose, Coupling Flre.	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-	2	-	-	3	3	3	8	-	1	-	1	4	2	1	3	3	21	33	-	-	-	-	-	-	-	-	-	-	-
Open Valve	-	1	-	-	-	1	-	1	2	3	-	1	-	-	-	1	2	3	-	1	7	4	-	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
Personnel Er.or	-	1	1	-	1	2	1	2	2	8	2	-	1	-	-	1	4	4	6	4	21	23	-	-	-	-	1	-	-	1	1	3	5	-	-	1	-	2	-	3	4	3	15	12
Valve Broken	-	-	2	1	1	-	1	1	4	9	6	-	-	-	-	1	1	-	1	-	5	1	-	-	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Leaking Cover	1	-	-	1	2	1	2'	-	1	11	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1	-
Overturn	-	-	-	2	4	3	9	1	4	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	3	1
Flood	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Material Defect	3	1	-	1	1	2	5	2	2	1	1	-	-	-	1	-	-	-	5	-	1	3	-	-	-	-	-	-	1	-	1	3	2	-	-	-	-	1	14	3	6	4	41	28
Mechanical Flre.	-	-	-	-	1	-	-	-	1	1	4	-	-	-	1	1	-	2	1	-	5	30	-	-	-	-	2	-	-	-	-	4	1	-	-	-	-	-	-	-	-	-	1	1
Improper Handling	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	-	4	7
Forklift	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	2	13	9
Ruptured Pipe	-	-	-	-	-	-	-	-	-	-	2	3	1	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-

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* U = Unknown Hazard Potential

Table 6 NUMBER OF APPEARANCES OF SECONDARY CAUSES BY PRIMARY CAUSE AND HAZARD POTENTIAL CATEGORY (CONT'D)

PRIMARY CAUSES

HAZARD POTENTIAL CATEGORIES / SECONDARY CAUSES	Tank Rupture - Puncture											Overflow Other Leakage											Hose, Transfer System Failure											Non-Tank Rupture - Puncture										
	10	9	8	7	6	5	4	3	2	1	U	10	9	8	7	6	5	4	3	2	1	U	10	9	8	7	6	5	4	3	2	1	U	10	9	8	7	6	5	4	3	2	1	U
Struck by Vehicle	-	-	-	-	-	-	-	-	-	-	-	3	1	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Explosion	1	1	1	1	-	-	1	1	-	-	8	-	1	1	-	-	-	-	-	-	2	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	3	5
Lightning	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Fire	1	1	-	-	-	-	-	-	-	1	5	-	1	1	-	-	-	-	-	-	3	15	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	1	-	-	2	10
Vandalism	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	5
Jack Knife	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Improper Loading	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	4	5	55	70
Gauge Ms/Defective	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	2	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chem. Reaction	-	1	1	1	-	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
Spont. Combustion	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Ship Sank	-	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Foreign Substance	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1
Overpressurc	-	-	-	-	-	1	1	1	-	1	6	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	2	1
Defective Weld	-	-	-	-	-	-	-	-	1	3	1	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	9	1
Wet Packing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	7
Intentional Release	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Improper Container	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Improper Nozzle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Sprinkler Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Excess Temperature	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Control Inoperative	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valve Shut	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Electrical Arcing	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Improper Equip. Op.	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gasket Failure	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molten Metal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Building Collapse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Snow/Ice Accumulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Power Failure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vehicle Moved	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-

Table 7 APPEARANCE OF SECONDARY CAUSES AS A PERCENTAGE OF ASSOCIATED PRIMARY CAUSE INCIDENTS:
BY HAZARD POTENTIAL CATEGORY GROUPINGS

HAZARD POTENTIAL CATEGORIES	Tank Rupture - Puncture				Overflow Other Leakage				Hose, Transfer System Failure				Non-Tank Rupture - Puncture			
	% of 317 Incidents				% of 216 Incidents				% of 92 Incidents				% of 550 Incidents			
SECONDARY CAUSES	HPC 10-6	HPC 5-1	U*	Total	HPC 10-6	HPC 5-1	U*	Total	HPC 10-6	HPC 5-1	U*	Total	HPC 10-6	HPC 5-1	U*	Total
UNK(If only 2nd Cause)	-	1.9	-	1.9	2.3	7.4	16.7	26.4	1.1	9.8	6.5	17.4	-	1.8	1.1	2.9
Body,Container Failure	6.0	18.6	8.8	33.4	0.5	0.9	0.5	1.9	-	1.1	-	1.1	1.3	26.7	16.4	44.5
Collision	3.8	5.0	2.2	11.0	-	-	-	-	-	1.1	-	1.1	-	0.5	-	0.5
Collision & Overturn	1.3	2.2	1.5	5.0	-	-	-	-	-	-	-	-	0.2	0.2	-	0.4
Sharp Object	8.2	6.6	0.6	15.5	-	-	-	-	-	-	-	-	0.4	14.0	16.7	31.1
Derailment	9.2	6.9	5.0	21.1	-	0.9	-	0.9	-	-	-	-	-	-	0.4	0.4
Derailment & Overturn	2.8	1.6	0.3	4.7	-	-	-	-	-	1.1	1.1	2.2	-	0.4	-	0.4
Loose Cap, Cover	1.0	5.0	0.3	6.3	-	1.4	-	1.4	-	3.3	1.1	4.3	-	3.3	0.7	4.0
Road,Track Conditions	1.3	1.3	0.9	3.5	-	-	-	-	-	2.1	1.1	3.3	-	-	-	-
Dropped	-	-	0.3	0.3	-	-	0.9	0.9	-	1.1	-	1.1	0.4	4.4	3.8	8.7
Relief Valve Op.	0.3	0.3	0.3	0.9	-	-	-	-	-	-	-	-	-	-	-	-
Hose, Coupling Fire.	-	0.9	-	0.9	1.4	4.2	3.7	9.3	6.5	32.6	35.9	75.0	-	-	-	-
Open Valve	0.3	2.2	-	2.5	0.9	6.5	1.8	9.3	1.1	1.1	1.1	3.3	-	-	-	-
Personnel Error	1.0	4.7	0.6	6.3	0.9	18.1	10.6	29.6	1.1	5.4	5.4	12.0	0.5	4.5	2.2	7.3
Valve Broken	1.3	4.7	1.8	7.9	0.5	3.2	0.5	4.2	1.1	2.2	-	3.3	-	-	-	-
Leaking Cover	1.3	4.7	0.6	6.6	-	0.5	-	0.5	-	1.1	-	1.1	-	0.4	-	0.4
Overturn	1.9	8.8	2.2	12.9	-	-	-	-	-	-	-	-	-	1.1	0.2	1.3
Flood	0.3	-	-	0.3	-	-	0.9	0.9	-	-	-	-	-	-	-	-
Material Defect	1.9	5.7	0.3	7.9	0.5	2.8	1.4	4.6	-	5.4	2.2	7.6	0.2	10.0	5.1	15.3
Mechanical Fire	0.3	0.6	1.2	2.2	0.9	3.7	13.9	18.5	2.2	4.3	1.1	7.6	-	0.2	0.2	0.4
Improper Handling	-	-	-	-	-	-	-	-	-	-	-	-	0.2	1.3	1.3	2.7
Forklift	-	-	-	-	-	-	-	-	-	-	1.1	1.1	0.2	3.1	1.6	4.9
Ruptured Pipe	-	-	0.6	0.6	2.3	-	0.5	2.8	-	-	5.4	5.4	-	-	-	-

*U = Unknown Hazard Potential

Table 7 APPEARANCE OF SECONDARY CAUSES AS A PERCENTAGE OF ASSOCIATED PRIMARY CAUSE INCIDENTS: BY HAZARD POTENTIAL CATEGORY GROUPINGS (CONT'D)

HAZARD POTENTIAL CATEGORIES	Tank Rupture - Puncture				Overflow Other Leakage				Hose, Transfer System Failure				Non-Tank Rupture - Puncture			
	% of 317 Incidents				% of 216 Incidents				% of 92 Incidents				% of 550 Incidents			
SECONDARY CAUSES	HPC 10-6	HPC 5-1	U*	Total	HPC 10-6	HPC 5-1	U*	Total	HPC 10-6	HPC 5-1	U*	Total	HPC 10-6	HPC 5-1	U*	Total
Struck by Vehicle	-	-	-	-	1.8	-	0.5	2.3	-	-	-	-	0.2	-	-	0.2
Explosion	1.3	0.6	2.5	4.4	0.9	0.9	1.8	3.7	-	-	1.1	1.1	-	0.7	0.9	1.6
Lightning	0.3	-	-	0.3	-	-	-	-	-	-	-	-	-	-	0.2	0.2
Fire	0.6	0.3	1.5	2.5	0.9	1.4	6.9	9.3	-	-	2.2	2.2	0.2	0.5	1.8	2.5
Vandalism	-	-	-	-	0.9	-	0.5	1.4	-	-	-	-	-	0.2	0.9	1.1
Jack Knife	-	-	0.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Improper Loading	-	0.3	-	0.3	-	0.5	-	0.5	-	-	-	-	-	12.7	12.7	25.5
Gauge Ms/Defective	-	-	-	-	0.5	3.7	1.8	6.0	-	-	-	-	-	-	-	-
Chem. Reaction	0.9	-	0.9	1.9	-	0.9	2.3	3.2	-	-	-	-	-	0.4	0.5	0.9
Spont. Combustion	-	-	0.3	0.3	-	-	-	-	-	-	-	-	0.2	-	0.2	0.4
Ship Sank	0.6	-	-	0.6	-	-	0.9	0.9	-	-	-	-	-	-	0.2	0.2
Foreign Substance	0.3	-	-	0.3	-	-	5.1	5.1	-	2.2	-	2.2	-	0.2	0.2	0.5
Overpressure	-	1.3	1.8	3.2	-	-	0.5	0.5	1.1		4.3	5.4	-	0.4	0.2	0.5
Defective Weld	-	1.9	0.3	2.2	0.5	-	0.9	1.4	-	-	-	-	-	2.0	0.2	2.2
Wet Packing	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	1.3	1.8
Intentional Release	-	-	-	-	-	0.5	5.1	5.6	-	-	-	-	-	0.2	-	0.2
Improper Container	-	-	0.3	0.3	-	-	0.5	0.5	-	-	-	-	-	0.4	-	0.4
Improper Nozzle	-	-	-	-	-	-	-	-	-	-	1.1	1.1	-	-	-	-
Sprinkler Discharge	-	-	-	-	-	-	6.9	6.9	-	-	-	-	-	-	0.9	0.9
Excess Temperature	-	0.3	0.3	0.6	-	0.5	0.5	0.9	-	-	-	-	-	-	-	-
Control Inoperative	-	0.3	0.3	0.6	-	1.4	-	1.4	-	-	-	-	-	-	-	-
Valve Shut	-	0.3	0.3	0.6	-	-	-	-	-	-	-	-	-	-	-	-
Wind	-	-	0.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Arcing	-	-	0.3	0.3	-	-	0.5	0.5	-	-	-	-	-	0.2	-	0.2
Improper Equip. Op.	-	-	0.3	0.3	-	0.5	0.5	0.9	-	-	-	-	-	-	-	-
Gasket Failure	-	0.9	0.3	1.3	-	0.5	0.5	0.9	-	-	-	-	-	-	-	-
Molten Metal	-	-	-	-	-	-	0.5	0.5	-	-	1.1	1.1	-	-	-	-
Building Collapse	-	-	-	-	-	-	-	-	-	-	1.1	1.1	-	-	-	-
Snow/Ice Accumulation	-	-	-	-	-	-	-	-	-	-	1.1	1.1	-	-	-	-
Power Failure	-	-	-	-	-	-	0.5	0.5	-	-	-	-	-	-	-	-
Vehicle Moved	-	-	-	-	-	-	-	-	-	1.1	1.1	2.2	-	-	-	-

individual secondary causes which do not meet the chosen criteria yet which do appear frequently (over 10 percent) are Improper Loading (12 percent), Personnel Error (11.5 percent), and Material Defect (10.6 percent). Taken as a group the mutually exclusive, and thus additive, causes: Collision; Collision and Overturn; Derailment; Derailment and Overturn; and Overturn appear in 16.5 percent of the incidents although none are over 10 percent.

Considering only incidents with Hazard Potential Category 6 or greater, the secondary causes Body or Container Failure (18.5 percent); Sharp Object (19.0 percent) and Derailment (19.7 percent) appear to be of significantly high frequency. The secondary causes grouped above, including the individually significant cause Derailment, appear in 41.5 percent of the incidents under consideration.

Body or Container Failure, Sharp Object, and Derailment have significantly high frequency of appearance when considering the primary cause Tank Rupture or Puncture both in general and for incidents with Hazard Potential Categories 6 or greater. The group of secondary causes referred to above appear in 54.7 percent of Tank rupture or puncture incidents (Collision (11.0 percent), Collision and Overturn (5 percent), Derailment (21.1 percent), Derailment and Overturn (4.7 percent), Overturn (12 percent)). The secondary causes Loose Cover, Leaking Cover and Valve Broken appear in approximately 20 percent of Tank Rupture or Puncture incidents, often associated with derailment, collision and/or overturn. This may indicate a need for improved crash protection for valves and covers on transport tanks.

For the primary cause Non-Tank Rupture or Puncture, Improper Loading (25.5 percent) is added to Sharp Object (31.1 percent) and the more general Body or Container Failure (44.5 percent) as a significantly high-frequency secondary cause. The grouped collision-derailment-overturn secondary causes in total appear in only 3 percent of these incidents. Only Body or Container Failure is significantly high in frequency for Non-Tank Rupture or Puncture incidents with Hazard Potential Category 6 or greater.

The secondary causes which are significantly high in frequency both overall and for the preceding two primary causes appear with less than average frequency when considering the primary causes "Tank Overflow" and "Transfer System Failure".

Taking the primary cause "Overflow" alone, the secondary causes which appear with significantly high frequency are Personnel Error (29.6 percent), Unknown Secondary Cause (i.e., only the primary cause and no secondary cause could be determined) (26.4 percent), and Mechanical Failure (18.5 percent). Additional secondary causes which were sometimes used in conjunction with Personnel Error and Mechanical Failure to describe the incident but were not of significantly high frequency include Hose, Coupling Failure (9.3 percent), Open Valve (9.3 percent), Gauge Missing or Defective (6.0 percent), Intentional Release (5.6 percent), Foreign Substance (5.1 percent) and Material Defect (4.6 percent).

It should be noted that in analyzing and recording individual incidents a conscious effort was made to avoid overuse of "Personnel Error" as a secondary cause. In general, if "Personnel Error" was to be cited, the error had to be obviously and directly related to the spill. For example, leaving a tank unattended while filling allowing it to overflow would be "Personnel Error." An equipment failure which might have been avoided with proper checking and maintenance was not generally cited as "Personnel Error". Nevertheless, this secondary cause appeared in 29.6 percent of "Overflow" incidents. "Gauge Missing or Defective" appeared in 6.0 percent.

The frequent appearance of these two causes indicates a high degree of "preventability". Further research in this area could have high potential for preventing spills. Reliable, readily available gauge, and/or gauge-control interaction systems to reduce the incidence of hazardous material spills is one direction which such research could take.

The secondary cause "Unknown" appears with significantly high frequency only for Overflow incidents. This factor highlights the lack of complete reports available for this primary cause in particular and for "In Plant" incidents in general.

Considering "Tank Overflow and Other Leakage" incidents with Hazard Potential Category 6 or higher, secondary causes which appear with significantly high frequency are "Unknown" (23.8 percent), "Ruptured Pipe" (23.8 percent), and "Struck by Vehicle" (19.0 percent). The number of appearances which correspond to these causes are, respectively, five, five and four. The causes "Ruptured Pipe" and "Struck by Vehicle" are used together in describing several of these incidents.

For the primary cause "Hose, Transfer System Failure", the secondary cause "Hose or Coupling Failure" appears with significantly high frequency (75.0 percent) both in general and for incidents with Hazard Potential Category 6 and higher. No other secondary causes met the criteria for being considered significantly high in frequency; however, the most frequent of the other secondary causes are "Unknown" (17.4 percent), "Personnel Error" (12.0 percent), "Material Defect" (7.6 percent), and "Mechanical Failure" (7.6 percent).

Frequency distributions were examined for trends and possible numerical projection of future spill experience. Appendix C contains distributions for the time periods 1971, 1972, and January through June 1973; and for the following parameters:

1) Class of Material Spilled;
2) Spills in Operational Areas, by Hazard Potential; and
3) Primary Cause of Spills, by Hazard Potential.

Distributions for shorter time periods (3 months and 6 months) were also examined. No significant trends were apparent in terms of changes in the percentage distributions of spill incidents. For Class of Material Spilled, the distributions are very similar for the three time periods. The general numerical increase in reported spills over this period of time is probably due more to increased awareness of and compliance with requirements for reporting than to increased incidence of hazardous material spills. Since the data were collected for a very limited period of time and since this "learning curve" phenomenon of increased industry reporting is an indeterminate factor at this time, it was felt that no reliable projection for future spill experience could be made. It is expected, however, that the number of spills reported and included in the data collected for this report is but a small fraction of the number of hazardous material spills that have actually occurred.

Based on the analysis of data and technical judgment of the most productive areas for future research in spill prevention, the following is a prioritized list of spill causes for such research:

	Primary Cause	Associated Secondary Cause
1.	Tank Overflow	Personnel Error, Gauge Missing or Defective, Mechanical Defect.
2.	Tank Rupture or Puncture	Loose Cover, Leaking Cover, Valve Broken, Derailment, Collision and/or Overturn.
3.	Hose, Transfer System Failure	Hose or Coupling Failure, Personnel Error, Mechanical Failure, Material Defect.
4.	Non-Tank Rupture or Puncture	Body or Container Failure, Sharp Object, Improper Loading.

SECTION VII

REFERENCES

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8. Benjamin, J.R., and Cornell, C.A., "Probability, Statistics and Decision For Civil Engineers," Published by McGraw-Hill, Inc., New York, 1970

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APPENDIX A

DATA HANDLING PROGRAM
FOR
EPA SPILL INCIDENTS

The Fortran computer program contained in this appendix was employed to manipulate the data collected from the various agencies and information sources. Each spill incident is entered onto a computer card (Figure A3) by the use of several numerical fields each containing relevant information about the incident. The coding guides (Figure A2) for information contained in these fields are also included in this appendix. These incident cards are manipulated through the use of program sorting cards. The common characteristics desired for a particular print-out are entered on this sorting card which in turn selects the incidents containing these requirements and prints out the relevant information on each incident. Using these sorting cards, incidents can be grouped according to date, primary and/or secondary causes, hazard potential, etc. or any combinations of these parameters. This provides a most effective tool for data analysis.

Some spills have been entered in the data base more than once, because they were multiple spill incidents or because reports were obtained from different sources. These entries have been accounted for, and have not distorted the tabulations and data analysis.

A Master Materials List (Table A1) is included in this Appendix to show the coding and abbreviation used for various materials reported spilled. The material name included in the data is the one which was actually reported, although the coding may identify the material under several common and chemical names. Thus, sorting for hydrochloric acid spills will provide all such incidents whether reported as hydrochloric or muriatic acid.

FMRC Serial No. 22405

1. Source(s) of Information: ____________________

2. Date: ____________________ 3. Time: ____________

4. Site: ____________________ 5. Weather: ____________

6. Injuries/fatalities: operating personnel ______/______; others ______/______

7. Occupancy: ____________ 8. Fire/explosion: ____________

9. Operational Area: ____________________

10. Equipment involved: ____________________

11. Material involved: ____________________

12. Quantity spilled and rate: ____________________

13. Packaging: ____________________

14. Value of material spilled: ____________ 15. Damage: ____________

16. Est. environmental damage: ____________________

17. Cost of clean up: ______ 18. Type(s) of and proximity to watercourses: ________

19. Hazard potential: ____________________

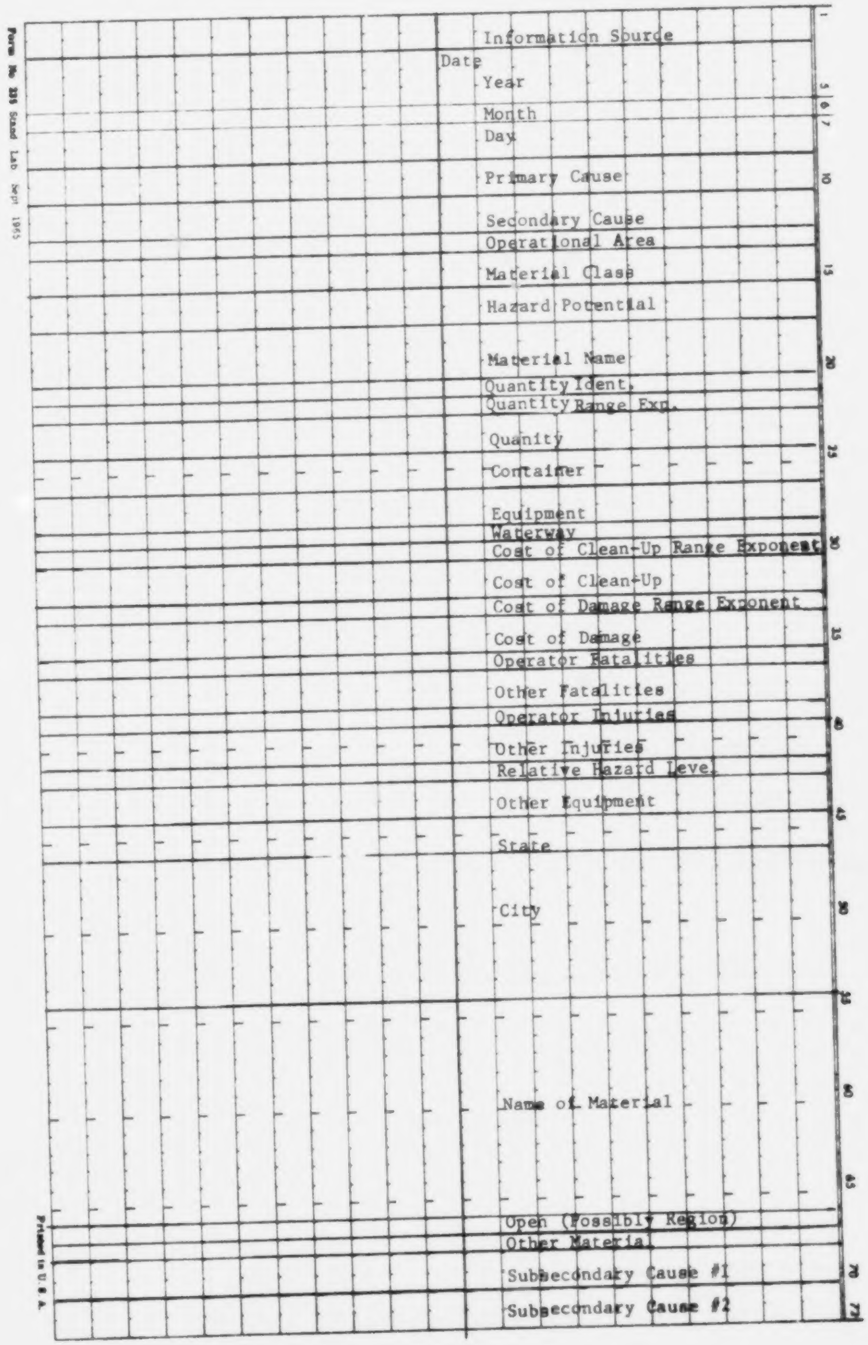
20. Cause(s): ____________________

21 Narrative: ____________________

22. Major factor(s) in extent of incident: ____________________

23. Remarks: ____________________

FIGURE A-1 DOCUMENTATION REPORT SHEET


1
5
6
7
10
15
20
25
30
35
40
45
50
55
60
65
70
71

Information Source
Date
Year
Month
Day
Primary Cause
Secondary Cause
Operational Area
Material Class
Hazard Potential
Material Name
Quantity Ident.
Quantity Range Exp.
Quanity
Container
Equipment
Waterway
Cost of Clean-Up Range Exponent
Cost of Clean-Up
Cost of Damage Range Exponent
Cost of Damage
Operator Fatalities
Other Fatalities
Operator Injuries
Other Injuries
Relative Hazard Level
Other Equipment
State
City
Name of Material
Open (Possibly Region)
Other Material
Subsecondary Cause #1
Subsecondary Cause #2

Form No 235 Stand Lab Sept 1965
Printed in U.S.A.

FIGURE A-2 SPILL INCIDENT CARD

EXAMPLE: SPILL INCIDENT CARDS FOR A MULTIPLE SPILL
(see Section IV, Figure 1 for Documentation
Report Sheet of This Incident)

```
1711 19 2112 3 7   1413 3  29  9    1 5 2  TXHOUSTON MULTIPLE    5219

1711 19 2112 3 778 1413 3  29  9    1 5 2  TXHOUSTON VINYL-CHLOR 5119

1711 19 2112 3 7 2 9    3  29  9    1 5 3  TXHOUSTON ACETONE     5119
```

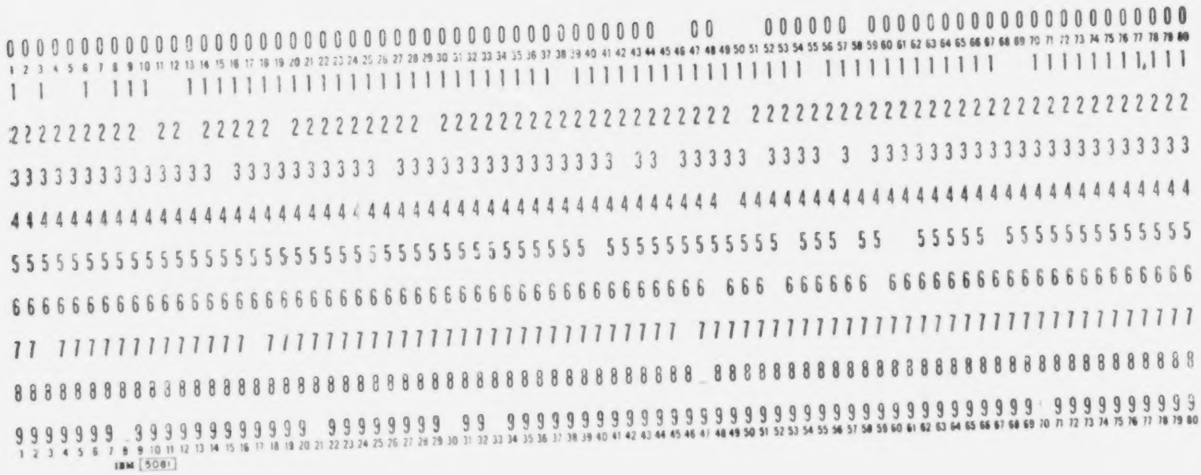
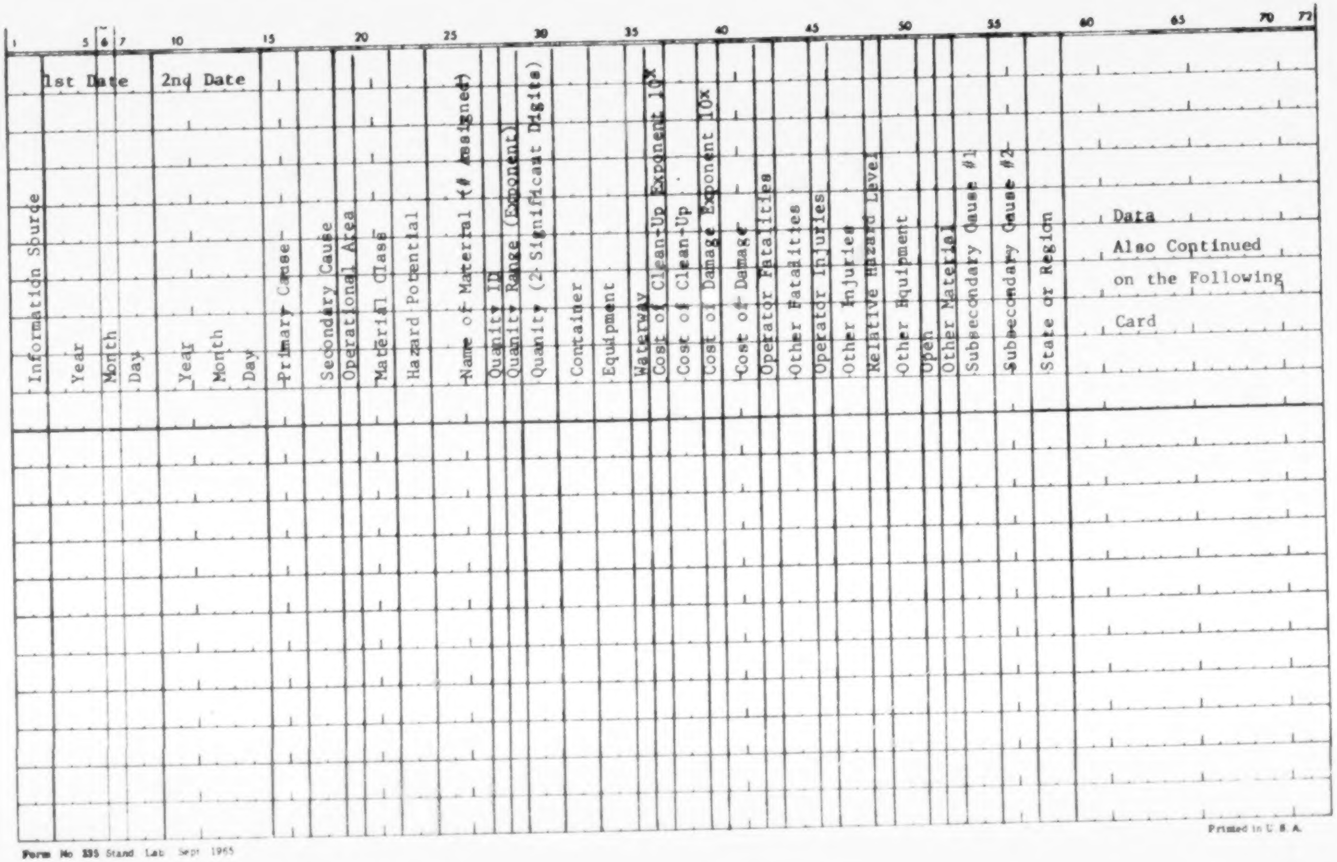


FIGURE A-3 SPILL INCIDENT CARDS FOR A MULTIPLE SPILL

FIGURE A-4 PROGRAM CARD FOR SORTING INCIDENTS



1 5 6 7 10 15 20 25 30 35 40 45 50 55 60 65 70 72

Information Source

1st Date
Year
Month
Day

2nd Date
Year
Month
Day

Primary Cause
Secondary Cause
Operational Area
Material Class
Hazard Potential
Name of Material (# Assigned)
Quanity ID
Quanity Range (Exponent)
Quanity (2 Significant Digits)
Container
Equipment
Waterway
Cost of Clean-Up Exponent 10X
Cost of Clean-Up
Cost of Damage Exponent 10x
Cost of Damage
Operator Fatalities
Other Fatalities
Operator Injuries
Other Injuries
Relative Hazard Level
Other Equipment
Open
Other Material
Subsecondary Cause #1
Subsecondary Cause #2
State or Region

Data
Also Continued
on the Following
Card

Form No 335 Stand Lab Sept 1965

Printed in U.S.A.

ENCODING INFORMATION

Code	Information Sources (ISR (J), JSR (I)) Cols. 1, 2
01	Dept. of Transportation - H.M.I.
02	U. S. Coast Guard
03	Factory Mutual
04	Mass Dept. of Natural Resources
05	Md. Water Quality Control Comm.
06	Environmental Protection Agency
07	Office of Pipeline Safety
08	A.E.C. - N.S.I.C.
09	New York Times

PRIMARY SPILL CAUSES

(IPC (J), JPC (I))

Cols. 9, 10

Code	Description
01	Non-Tank Rupture, Puncture other failure (includes bulk carriers other than Tank).
02	Tank Failure (any breach in the Tanks integrity including leaking dome covers, safety valves-vents, broken valves; but not including failures of Transfer Systems.)
03	Hose or Transfer System Failure
04	Tank overflow or other leakage including valves left open
09	Other

SECONDARY SPILL CAUSES

(ISC (J), JSC (I))

Cols. 11, 12, 69, 70, 71, 72

(May also be Primary)

Code	Description	Code	Description
10	Dropped in handling	31	Gauge lacking or inoperative
11	Puncture by foreign object (nail, etc.) Including other freight	32	Mechanical failure of equipment
		33	Operator error
		34	Wet packaging (i.e., weakened)
12	Puncture by fork lift	99	Unknown
13	Loose caps, covers, fittings	35	Jackknife
14	Gasket failure	36	Road conditions or rail cond.
15	Material defect, fatigue, Corrosion - rust	37	Body side failure if vehicle or RR car, or side failure if container
16	Overpressure		
17	Collision	38	Brakes failed
18	Collision and overturn	39	Container failure
19	Derailment	40	Improper handling
20	Derailment and overturn	41	Improper container or materials
21	Overturn	42	Vehicle moved while loading-unloading
22	Leaking dome cover, safety vent, etc.	43	Intentional release
23	Faulty or improper nozzle	44	Defective welding or weld failure
24	Hose, pipe, hose coupling or conn. failure	45	Barge-ship sank, shipwreck or grounding
25	Valve left partially or fully open	46	Ruptured pipeline
26	Valve or vent shut when should be open	47	Explosion
		48	Spk-system discharged or fire-fighter hose streams
27	Valve broken (collision or mec. failure)	49	Power failure
28	Unsecured freight, improper loading	50	Roof collapse or bld. collapse
		51	Snow and ice accumulation
29	Relief valve operated	52	Flood
30	Vandalism	53	Fire

SECONDARY SPILL CAUSES (Continued)
(ISC (J), JSC (I))
(May also be Primary)

Code	Description
54	Cutting or welding equip.
55	Molten metal spill or leakage
56	Electrical arcing or sparks
57	Spontaneous combustion
58	Struck by vehicle or excavating equip.
59	Chemical reaction
60	Normal operation
61	Hazardous materials allowed to collect in trench
63	Lightning
64	Wind
65	Accidental or improper start-up of equip., improper operation
66	Excess temperature
67	Control device lacking or inoperative (temp., pressure, etc.)
69	Foreign substance or water introduced into material

CLASSIFICATION CODE

(ICLAS (J), JCLAS (I))

Cols 14, 15

01	A	Corrosive Liquid
02	B	Poison
03	C	Flammable Liquid
04	D	Flammable Solid
05	E	Corrosive Material
06	F	Oxidizing Material
07	G	Radioactive
99	H	Other-Unknown

DETERMINING HAZARD POTENTIAL (HP)
FROM
QUANTITY SPILLED AND RELATIVE HAZARD LEVEL
[IHAZ(J), JHAZ(J)]
Cols. 16, 17

Quantity of Material Spilled (1 or kg)

Hazard Potential (HP) Category	Relative Hazard Level (RHL) 1	2	3	4	5
1.	7,500	2,500	500	50	5
2.	19,000	6,500	1,300	130	13
3.	38,000	12,500	2,500	250	25
4.	75,000	25,000	5,000	500	50
5.	150,000	50,000	10,000	1,000	100
6.	380,000	125,000	25,000	2,500	250
7.	750,000	250,000	50,000	5,000	500
8.	1,500,000	500,000	100,000	10,000	1,000
9.	3,800,000	1,250,000	250,000	25,000	2,500
10.	>3,800,000	>1,250,000	>250,000	>25,000	>2,500

When Relative Hazard Level (RHL) is known and quantity is unknown, enter Hazard Potential (HP) = 99

When RHL is unknown enter RHL=9, and HP=99

When RHL is unknown and there is possible biochemical oxygen demand (BOD), enter RHL=6, and HP=99.

To select the HP category, read down the RHL column appropriate for the material spilled, to the first quantity entry larger than the spilled quantity. That determines the HP row. Read the HP category at the left of the row.

For example: 10,000 liters of a material with RHL 2 are spilled. Reading down the RHL 2 column, the first entry larger than 10,000 is 12,500. Reading across the row to the left, the HP category is 3.

ENCODING INFORMATION

Code	Container [ICONT(J), JCONT(I)] Cols. 25, 26	Code	Equipment [IEQUP(J), JEQUP(I)] Cols. 27,28,43,44
01	Steel drum	01	Fork lift or tow motor
02	Paper bags	02	Transfer hose
03	Tank car - RR	03	Box car - RR
04	Tank trailer	04	Storage tank
05	Plastic bag	05	Trailer truck
06	Plastic lined fibre drum	06	Van truck
07	Pails-steel, cans	07	2 Wheel barrel wheeler
08	Pails-plastic	08	Flat car - RR
09	Glass bottles	09	Wood pallets
10	Plastic drums	10	Cargo lift (presume crane)
11	S. S. carboy	11	Furnace-melting
12	Glass carboy	12	Log stacker
13	Plastic bottles in cardboard ctns.	13	Welding equip
14	Glass bottles in cardboard ctns.	14	Front end loader
15	Bulk trailer	15	Electro cutting machine
16	Bulk R.R. car	16	Drum filling machinery
17	Cardboard drum	17	Reactor
18	Pipeline	18	Sprinkler system
19	Bags in cardboard cont.	19	Floor drain
20	Settling pond, lagoons	20	Paint spray equip
21	L. P. gas cylinders	21	Hot water heater
22	River barge - Tank	22	Electrostatic precipitator
23	River barge - Bulk	23	Conveyor
24	Plastic bottles	24	Batteries

ENCODING INFORMATION (Continued)

Code	Container
25	Deldrum
26	55-gal. polyethylene lined drums
27	Fibreboard boxes
99	Unknown
28	Portable tanks
29	Storage tank
30	Rubber containers
31	Dip tank
32	Plastic carboy
33	Ship
34	Barrel 42 gal.
35	Transformer
36	Boiler
37	Trench
38	Cooking or (large) mixing tank
39	Drying tower
40	Industrial machinery
41	Sludge dryer
42	Storage Batteries
43	Outside drum storages

Code	Equipment
25	Circulating pumps
26	Gas expander
27	Dip trough
28	Drying tower
29	Hand truck
30	Bulldozer
31	Air compressor
32	Strip heater
33	Asphalt coating machinery
34	Cooling tower
35	Crane
36	Valve
37	Transformer
38	Portable steam hose
39	Deck plate
40	R. R. track switch
41	Freighter, ship
42	Diesel eng.
43	Air craft
44	Loading & unloading equip. for bulk cargos
45	Refrigeration & heating system
46	Excavating equip.
47	Threading machine
48	Evaporator
49	Pump
50	Rolling mill (Hot & Cold)
51	Asphalt still
52	Firefighter's hose streams

RELATIVE HAZARD LEVEL (RHL)
[ISPA(J), JSPAC(I)]
Col. 42

RHL Code	LD50	Inhalation
1	5,000 mg/kg	16,000 ppm
2	1,000-5,000 mg/kg	3,000-16,000 ppm
3	100-999 mg/kg	1,000-3,000 ppm
4	11-99 mg/kg	250-1,000 ppm
5	≤10 mg/kg	250 ppm
9	Unknown	
6	Possible B O D	

Material Indent. - When material is unknown enter 999

OPERATIONAL AREAS
[IAR(J), JAR(I)]
Col. 13

Code	Description
1	Loading and unloading
2	In Transit
3	In Plant - Storage (incl. outside storage but excluding wastes)
4	In Plant - In Process
5	Waste Storage or disposal areas incl. settling ponds, material dumps, bulk waste piles, but excluding materials being used in plant production.

OTHER MATERIALS
[IOM(J), JOM(I)]
Col. 68

0 = No other haz. material spilled

1 = One other haz. material spilled

2 = Two other haz. material spilled

3 = Three other haz. material spilled

4 = For other haz. material spilled

WATER WAY
[IWTR(J), JWTR(I)]
Col. 29

1	Entered by Material
2	Not entered by Material
3	Unknown

QUANTITY SPILLED

Unit of Measure [IQD(J), JQD(I)] Col. 21	Quantity Range [IQX(J), JQX(I)] Col. 22	2 Significant Digits IQUN(J), JQUN(I)] Col. 23, 24
0 = 0	0 = 0-99	01-99
1 = Liters	1 = 100-990	10-99
2 = Kilograms	2 = 1000-9900	10-99
9 = Unknown	3 = 10,000-99,000	10-99
	4 = 100,000-990,000	10-99
	5 = 1,000,000-9,900,000	10-99
	6 = 10,000,000-99,000,000	10-99
	7 = 100,000,000-990,000,000	10-99
	8 = 1,000,000,000-9,900,000,000	10-99

Dollars Cleanup [ICSX(J), JCSX(I)] Col. 30	2 Significant Digits [ICS(J), JCS(I)] Cols. 31, 32	Dollars Damage [IDMX(J), JDMX(I)] Col. 33	2 Significant Digits [IDM(J), JDM(I)] Cols. 34, 35
0 = 0-99	01-99	0=0-99	01-99
1 = 100-900	10-99	1 = 100-990	10-99
2 = 1,000-9,900	10-99	2 = 1,000-9,900	10-99
3 = 10,000-99,000	10-99	3 = 10,000-99,000	10-99
4 = 100,000-990,000	10-99	4 = 100,000-990,000	10-99
5 = 1,000,000-9,900,000	10-99	5 = 1,000,000-9,900,000	10-99

If no cost figures given, enter 9 in Col. 30 and 33. Leave 31-32-34-35 blank.

Cost of Damage includes "Value of Material Spilled."

When two or more materials are involved in the same incident and only one quantity is given, divide the quantity equally among the materials, also any costs involved.

MASTER MATERIALS LIST

Materials	Abbreviation	Class #	Code	R.H.
Acetaldehyde (Syn. Alcohol Aldehyde)	Acetaldehyd	03	010	4
Acetate (unspecified)	Acetate	99	010	9
Acetic Acid	Acetic-Acid	01	010	2
Acetic Acid, (Isopropyl Ester)	Acet-Ac-Iso	03	015	2
Acetone	Acetone	03	020	3
Acetonitrile	Acetonitril	03	030	2
Acetylene Tetrachloride (Tetrachloroethane)	Acetylen-Te	02	003	4
Acrolein Inhib.	Acrolein-In	01	020	4
Acrolein (Syn. Acrolein Inhib.)	Acrolein	01	020	4
Acrylic Wood Sealer	Acry-Wd-Slr	03	040	9
Acrylonitrile	Acrylonitri	03	050	4
Adhesive	Adhesive	99	020	9
Adipic Acid	Adipic-Acid	01	030	2
Alcohol (unspecified, assumed denatured)	Alcohol-Uns	03	070	2
Alcohol, Aldehyde (Syn. Acetaldehyde)	Alc-Aldehyde	03	010	4
Alcohol, Allyl	Alc-Allyl	02	005	4
Alcohol, Denatured	Alc-Denatur	03	080	2
Alcohol, Ethyl	Alc-Ethyl	03	090	1
Alcohol, Isopropyl	Alc-Isoprop	03	100	1
Alcohol, Methyl (Syn. Methanol)	Alc-Methyl	03	110	2
Aldacide (No Other Identification (N.O.I.))	Aldacide	02	010	9
Alkaline Caustic Liquids	Alk-Caus-Li	01	040	3
Alkane 56	Alkane-56	03	120	9

Materials	Abbreviation	Class #	Code	R.H.
Alkylate Phenolic (Alkyl radical of phenolic, unspecified)	Alkyl-Pheno	02	020	4
Allyl Chloride (3 chlorophenol)	Allyl-Chlor	03	130	3
Alpha, Monochloropropionic Acid	Alpha-Monoc	01	050	3
Alum	Alum	99	030	1
Alumina, Powdered	Alumina-Pdr	99	040	1
Aluminum Powder	Aluminum-Pd.	04	010	1
Amino Ethyl Ethanolamine	Amino-Ethyl	03	135	2
Amino Ethyl Triethanolamine	Amethtrieth	03	140	3
Ammonia (See Aqua Ammonia)	Ammonia	01	070	3
Ammonium Bisulfide	Amm-Bisulfi	01	055	9
Ammonium Nitrate Fert.	Amm-Nitrate	06	010	9
Ammonium Phosphate	Amm-Phospha	04	020	2
Amorphous Polypropylene	Amor-Polypr	99	060	9
Amyl Acetate	Amyl-Acetat	03	150	1
Amyl Phenol (P Tert Pentyl Phenol)	Amyl-Phenol	02	030	2
Anhydrous Ammonia	Anh-Ammonia	99	070	3
Aniline Oil (Also Phenylamine, Aminobenzene, Aminophen)	Aniline-Oil	02	040	3
Antimony Pentachloride	Ant-Pentach	01	060	3
Anti-Freeze (Syn. Ethylene Glycol)	Anti-Freeze	03	340	4
Aqua Ammonia	Aqua-Ammoni	01	070	3
Aqueous Hydrofluoric Acid (Syn. Hydrofluoric Acid, Aqueous)	Aq-Hydr-Acd	01	210	3
Aromatic oil (30% Benzene)	Aromatic-0	03	170	2
Arsenic Acid, Technical	Ars-Acd-Tec	02	050	5
Arsenic Trichloride	Ars-Trichlo	02	060	4
Arsenic Trioxide	Ars-Trioxid	02	065	3
Aresenical Mixtures	Ars-Mixture	02	070	4
Asphalt	Asphalt	99	080	9
Azodrin	Azodrin	02	075	4
Barium Carbonate	Barium-Carb	02	080	3
Bauxite	Bauxite	04	025	9

Materials	Abbreviation	Class #	Code	R.H.
Benzene	Benzene	03	170	2
Benzyl Chloride, Inhibited	Benzyl-Chlo	01	090	5
Bimethyl Alkylamine (Syn. Dimethylamine)	Bimethyl-AL	03	260	3
Black Liquor	Black-liquo	99	090	9
Borax	Borax	99	100	2
Brass, Molten	Brass-Moltn	99	110	9
Brine (Syn. Salt Water)	Brine	99	450	1
Bromine	Bromine	01	100	4
Butyl Acetate	Butyl-Acetat	03	180	5
Butyl Carbitol	Butyl-Carbi	03	190	3
Butyric Acid	Butyric-Aci	99	115	2
Calcium Carbide	Calcium-Car	99	125	2
Calcium Chloride	Calcium-Chl	02	085	2
Calcium Cyanamide (Syn. Cyanamide Poison)	Calcium-Cyn	02	150	3
Calcium Hydroxide (lime, slaked)	Calcium-Hyd	01	240	1
Calcium Hyperchloride (sic) viz: Calcium Hypochlorite	Calcium-Hyp.	99	120	2
Carbolic Acid (See Phenol)	Carbolic-Ac	02	470	4
Carbon Bisulfide (Syn. Carbon Disulfide)	Cbn-Bisulfi	03	200	3
Carbon Disulfide	Cbn-Disulfi	03	200	3
Carbon Tetrachloride	Cbn-Tetrach	99	130	4
Carbonic Acid (N.O.I.)	Cbnonic-Aci	01	110	3
Castor Oil	Castor-Oil	99	140	1
Caustic Potash (Syn. Potassium Hydroxide)	Caus-Potash	01	320	2
Caustic Potash, liquid (Potassium Hydroxide)	Caus-Pot-Li	01	320	2
Caustic Soda (Syn. Sodium Hydroxide)	Caus-Soda	01	360	3
Chemicals (N.O.I.)	Chem-NOI	99	280	9
Chloracetyl Chloride	Chlor-Chlor	01	130	3
Chlordane	Chlordane	02	090	3
Chlorine (Gas)	Chlorine	99	145	5

Materials	Abbreviation	Class #	Code	R.H.
Chloropicrin (Chlorpicrin)	Chloropicri	02	100	5
Chloroform	Chloroform	02	105	3
Chlorosulfonic Acid	Chlorosulfo	01	140	2
Chromates (Syn. Sodium Chromate)	Chromates	02	565	3
Chromic Acid	Chromic-Aci	02	110	3
"Chromic" Solution (Syn. Chromic Acid)	Chro-Aci-Sl	02	110	3
Cleaning Comp	Cleang-Comp	99	150	2
Coker Feed Stock	Coker-Stock	03	215	9
Cooking Oil	Cooking-Oil	99	160	9
Copper Cyanide (Cuprous)	Copper-Cyan	02	115	5
Copper, Molten	Copper-Mltn	99	170	9
Copper Sulfate	Copper-Sulf	02	120	4
Creosote	Creosote	03	220	3
Cresylic Acid	Cresylic-Ac	02	130	3
Cupric Hydroxide	Cupric-Hydr	02	140	9
Cyanide (Syn. Potassium Cyanide)	Cyanide	02	520	5
Cyanide of Potassium (Syn. Potassium Cyanide)	Cynid-of-Pt	02	520	5
Cyanide of Sodium (Syn. Sodium Cyanide)	Cyanide-Sod	02	570	4
Cyanide Solution (unspecified - Syn. Potassium Cyanide)	Cyanide-Sol	02	520	5
Cyanimide Poison (sic) viz: Calcium Cyanamide	Cyanimd-Poi	02	150	3
Cyano Pyridine	Cyano Pyrid	01	155	9
Cyclohexane	Cyclohexane	03	230	3
Cythion Insecticide (Syn. Malathion)	Cythion-Ins	02	345	2
Delaying Mix	Delaying-Mi	99	180	9
1-2 Dichlorobenzene	Dichloroben	02	160	3
2-3 Dichloro (benzoyl peroxide)	Dichloro-Pe	06	020	3
Dichloroethyl Ether (Dichloroethyl)	Dichloroeth	02	170	3
Dieldrin	Dieldrin	02	180	4
Diethyl Sulfate	Dieth-Sulfa	01	145	3

Materials	Abbreviation	Class #	Code	R.H.
Di Iso Butlyamines	Di-Iso-Butl	03	240	3
Dimazine (unsymmetrical Dimethyl hydrazine)	Dimazine	03	250	3
Dimethylamine (assumed aqueous soln., otherwise flam. gas.)	Dimethylami	03	260	3
Dinitro Phenol Solution	Dinitro-Phe	02	190	4
Dishwashing Powder (unspecified)	Dishwash-Po	05	010	9
Di Siston (sic) viz: Di-Syston (Phosphordithioic acid-o, o, Diethyl S-[2-ethylthio) ethyl] ester	Di-Siston	02	200	5
Dodecyl Phenol	Dodecyl-Phe	01	150	2
Dow-Therm (Syn. Dichlorobenzene)	Dow-Therm	02	160	3
Drying Comp.	Drying-Comp.	99	185	9
Dyestuffs, Pigmented	Dyes-Pigmen	99	190	9
Dynafume	Dynafume	02	210	9
Emulsifiable-Nematicidal Concentrate (indefinite material)	Emul-Nemati	02	220	9
Endrin	Endrin	02	225	5
Epichlorohydrin	Epichlorohy	02	230	4
EPN Soil fumigant	EPN-Fumigan	02	240	4
Ether (Ethyl Ether)	Ether	03	270	2
Ethyl Acrylate	Eth-Acrilat	03	280	2
Ethyl Benzene	Eth-Benzene	03	290	2
Ethyl Butyraldehyde	Eth-Butyral	03	300	1
2 Ethyl 1 Hexanol	Eth-Hexanol	03	310	2
Ethyl Parathion (Syn. Parathion liquid)	Eth-Parathi	02	450	5
Ethylamine, Anhydrous (Ethylamine)	Ethamin-Anh	03	320	3
Ethylene Dichloride (liquid ethylene)	Eth-Dichlor	03	330	3
Ethylene Dibromide (Tech.)	Eth-Dibromi	02	250	3
Ethylene Glycol	Eth-Glycol	03	340	4
Fat Globules	Fat-Globule	99	200	BOD
Fatty Acids	Fatty-Acids	99	210	2
Ferric Chloride	Ferric-Chlo	06	025	3
Fertilizer, chemical (N.O.I.)	Fertilizer	99	216	9

Materials	Abbreviation	Class #	Code	R.H.
Flammable Liquid (unspecified)	Flam-Liq-Un	03	212	9
Flare Mix	Flare-Mix	99	215	9
Flammable Cement	Flam-Cement	03	345	9
Flexographic Printing Solution	Flex-Prnt-S	03	350	2
Fluosulfonic Acid	Fluosulfoni	01	170	3
Food Wastes	Food-Wastes	99	218	6
Formaldehyde	Formaldehyd	03	355	3
Formic Acid	Formic-Acid	01	180	2
Fungicide (unspecified)	Fungicide	02	260	9
Gasoline Additive (unspecified)	Gasoline-Ad	99	220	9
Gasoline or Diesel fuel, fuel oil, mineral oil	Gas-Diesel	03	355	2
Glycerin	Glycerin	03	357	1
Glyoxal	Glyoxal	04	030	2
Grape Juice	Grape-Juice	99	230	6 Poss. BOD
Guthion	Guthion	02	255	5
Heat Transfer Oil	Heat-xfr-oi	99	240	9
Heptane	Heptane	03	360	1
Heptane Butylcellosolve (possible mixture of Heptane and 2-Butoxyethanol)	Hep-Butylce	03	370	2
Herbicide (unspecified)	Herbicide	02	260	9
Hexachlorocyclopentadine (Perchlorocyclopentadine)	Hexchlor-cy	02	z270	3
Hexamethylene diamine (1-6 diaminohexane)	Hexamethyle	01	190	1
Hot Slag	Hot-Slag	99	250	1
Hydraulic Oil (unspecified)	Hydraul-Oil	99	255	9
Hydrochloric Acid (Hydrogen Chloride) (Syn. Muriatic Acid)	Hydrochlori	01	200	3
Hydrofluoric Acid, Aqueous	Hydro-Acd-Aq	01	210	3
Hydrofluosilicic Acid	Hydrofluosi	01	220	4
Hydrogen Peroxide	Hydrogen-Pe	01	230	4
Hydrolized Fatty Acid	Hyd-Fatty-A	99	260	9

Materials	Abbreviation	Class #	Code	R.H.
7-Hydroxy (N.O.I.)	Hydroxy	99	270	9
Hydroxyethyl Acrylate (Acrylic Acid, 2 Hydroxyethyl Ester)	Hydrox-Acre	01	280	2
Industrial Chemicals (N.O.I.)	Ind-Chemnoi	99	280	9
Industrial Wastes (including acids, rust (FEO), whey)	Indus-Waste (Ind-wst-acid) (Ind-Wst-FEO) (Ind-wst-whey)	99	280	9
Ink	Ink	03	380	9
Iron Sulfate	Iron-Sulfat	99	290	2
Insecticide (unspecified)	Insecticide	02	290	9
Isoborene Diisocyanate (sic) viz: Isobornyl Thiocyanoacetate	Isoborene-D	02	300	5
Isopentane	Isopentane	03	385	1
Isopropanel (sic) viz: (Isopropanol) (Syn. Alcohol Isopropyl)	Isopropanol	03	100	1
Isopropyl Acetate - (Syn. Acetic Acid, Isopropyl Ester)	Isopro-Acet	03	015	2
Isopropy-Lamine (sic) viz: (Isopropylamine)	Isopropy-La	03	400	3
Isotrol (sic) viz: Isotron	Isotrol	02	305	9
K-72 (Potassium Pentachlorophenate)	K-72-Pot-Pe	02	310	3
Kepone Tech	Kepone-Tech	02	320	4
Lacquer (RH based on ingredients)	Lacquer	03	410	2
Lacquer Thinner, Solvent	Lacquer-Thn	03	580	9
Lasso Pesticide	Lasso-Pesti	02	330	3
Latex	Latex	99	300	9
Lead Arsenate	Lead-Arsena	02	340	3
Lime, slaked (Calcium Hydroxide)	Lime-slaked	01	240	1
Lithium Bromide	Lithium-Bro	99	310	1
Lithium Hypochlorite (sic) viz: (Lithium Chloride)	Lithium-Hyp	06	030	2
Machine coolant (unspecified)	Machin-cool	99	315	9
Magnesium base acid (unspecified, N.O.I.)	Magnesium-A	01	250	1

Materials	Abbreviation	Class #	Code	R.H.
Magnus 755	Magnus-755	03	420	3
Malathion (Syn. Cythion Insecticide)	Malathion	02	345	2
MCS 10-16	MCS-10-16	99	320	9
Mercuric Oxide (Potassium Sulfate)	Mercuric-Ox	02	350	2
Mercury	Mercury	02	360	5
Mesityl Oxide	Mesityl-Oxi	03	425	2
Meta, paraxylene (Syn. Xylene)	Meta-Paraxy	03	800	2
Metal Hydroxide	Metal-Hydro	01	270	2
Methacrylontrile liquid (Methacrylonitrile)	Methacrylon	03	430	3
Methanol (Methyl Alcohol)	Methanol	03	110	2
Methoxy Dipropylene Glycol	Methoxydipr	02	370	4
Methyl Acetate	Meth-Acetat	03	450	2
Methyl Acrylate	Meth-Acryla	03	455	1
Methyl Amyl Acetate	Meth-Amy-Ac	03	460	2
Methyl Butyl-Ketone	Meth-But-Ke	03	465	1
Methyl Dibrompropionate (Bromopropionic Acid Methyl Ester)	Meth-Dibrom	99	330	9
Methyl Ethyl Ketone (Butanone)	Meth-Etyl-K	03	470	2
Methyl Isobutal Ketone (Isopropylacetone)	Meth-Isobut	03	480	2
Methyl Methacrylate	Methmthacrl	03	500	5
Methyl Parathion (Dimethyl)	Meth-Parthi	02	380	5
Methylene Bromide	Methylen-Br	02	390	2
Methylene Chloride	Meth-Chlori	99	333	2
Mine Acid (Syn. Sulfuric Acid)	Mine-Acid	01	430	2
Mineral Spirits	Mineral-Spr	03	505	3
Molasses	Molasses	99	335	6 BOD
Molten Metal (unspecified)	Molten-Metl	99	337	9
Monocyclohexylamine (Hexylamine)	Mnocyclohex	03	510	3
Mono-methylhydrazine	Methylhydzn	03	520	5
Muriatic Acid (Syn. Hydrochloric Acid)	Muriatic-Ac	01	200	2

Materials	Abbreviation	Class #	Code	R.H.
Naphtha, Naphthalite	Naphtha	03	530	3
Napthalene (Flakes)	Napthalen-F	02	393	2
Naphthalite (Syn. Naphtha)	Naphthalite	03	530	3
Navane (ThioThixene)	Navane	99	340	3
Nematicidal concentrate - Syn. Emulsifiable Nematicidal Conc.	Nematicidal	02	220	9
Neosol (Solvent)	Neosol	03	540	2
Nicotine, Liquid	Nicotine-L	02	395	4
Nilverm (Nilvern)	Nilverm	02	400	3
Nitrate-Strontium - Syn. also Strontium Carbonate	Nitr-Stront	04	040	3
Nitric Acid	Nitric-Acid	01	280	4
Nitro Benzene	Nitrobenzen	02	410	5
Nitro Cellulose - If wet, See Wet Nitro Cellulose	Nitrocelulo	03	790	9
Nitro Cellulose lacquer	Nitrocel-laq	03	550	9
Nitro Chloro Toluenes	Nitrochloto	99	350	9
Nitro Phenol	Nitro-Pheno	02	420	4
Nitrogen, Liquid Fert.	Nitrogen-Li	04	355	9
Nuodex PMA18 - See Phenyl-Mercury-Acetate	Nuodex-PMA1	02	480	4
Oleum (Syn. Fuming Sulfuric Acid)	Oleum	01	290	2
Organic Ammonia Comp.	Org-Amon-Co	03	560	3
Organic Phosphate (unspecified)	Organ-Phosp	02	430	4
Ortho-Toluidene	Ortho-Tolui	03	570	3
Oxybisperolarsine (N.O.I.)	Oxybisperol	02	440	9
Paint, wood stain, etc. (unspecified)	Paint	03	580	9
Paint Thinner (assumed Turp. or den. Alcohol)	Paint-Thinr	03	590	2
Paraformaldehyde	Para-Formal	03	595	3
Parathion liquid (Diethyl) (Insecticide)	Parathion-L	02	450	5
Pentachlorophenol	Pentachloro	02	460	4
Peracetic Acid (Peroxyacetic Acid)	Peracetic-A	06	030	2

Materials	Abbreviation	Class #	Code	R.H.
Perchloric Acid	Perchloric	01	300	9
Permanganate-(Syn. Potassium Permanganate)	Permanganat	06	040	2
Peroxides - Organic (R.H. based on several organic peroxides)	Peroxides-O	03	600	2
Phenol	Phenol	02	470	4
Phenolsulfonic Acid	Phenol-Sulf	05	015	9
Phenyl Formaldehyde Resin (Syn. Resin)	Phn-Frm-Rsn	03	630	9
Phenyl Mercury Acetate (Syn. Nuodex PMA18)	Phenyl-Merc	02	480	4
Phenyl-Mercuric Lactate	Phen-Mrc-Lc	02	505	4
Phosdrin	Phosdrin	02	490	5
Phosphate Compound (unspecified syn. organic phosphate)	Phosphate-C	02	430	4
Phosphene Oxide (unspecified, N.O.I.)	Phosphene-O	02	500	9
Phosphoric Anhydride (Forms Phosphoric Acid in H_2O)	Phos-Anhydr	99	360	3
Phosphoric Acid	Phosph-Acid	01	302	3
Phosphorus Oxychloride	Phos-Oxychl	01	305	4
Phosphorus Penta Sulfide	Phos-Pentas	04	050	4
Phosphorus Trichloride	Phos-Trichl	01	307	3
Phosphorus (White)	Phosphorus	04	055	5
Phthalic Anhydride	Phthalc-Anh	99	370	3
Plasticizer	Plasticizer	03	610	1
Plating Comp #1 (unspecified)	Plating-Com	02	510	9
Poison (N.O.I.)	Poison-NOI	02	515	9
Poly-Styrene (Syn. Styrene)	Polystyrene	02	590	2
Poly-Styrene Monomer (Syn. Styrene)	Polysty-Mon	02	590	2
Polyvinyl Pyrrolidone	Poly-V-Pyro	99	372	3
Potassium Bromate	Potas-Broma	06	035	9
Potassium Carbonate	Pot-Carbnat	01	310	2
Potassium Cyanide	Pot-Cyanide	02	520	5
Potassium Chloride	Pot-Chlorid	99	375	2

Materials	Abbreviation	Class #	Code	R.H.
Sodium Chromate	Sodium-Chrm	02	565	3
Sodium Cyanide	Sodium-Cynd	02	570	4
Sodium Hydrosulfite (Sodium Dithionite)	Sodium-Hydo	04	060	3
Sodium Hydroxide, solid	Sodium-Hydx	05	020	3
Sodium Hydroxide, liquid	Sod-Hydx-li	01	360	3
Sodium Hypochlorite	Sodium-Hypo	01	370	4
Sodium Lauryl Sulfonate	Sodium-Larl	99	490	2
Sodium Methylate Dry (Sodium Methoxide) (in H_2O releases Sodium Hydroxide (RH=3) and Methanol (RH=2))	Sodium-Meth	04	070	3
Sodium Nitrate	Sod-Nitrate	06	060	3
Sodium Nitrite	Sod-Nitrite	06	070	3
Sodium Pentachlorophenate (Syn. Pentachlorophenol)	Pentachloro	02	460	4
Sodium Peroxide	Sod-Peroxid	01	380	3
Sodium Silicate	Sod-Silicat	01	390	2
Sodium Sulfate	Sod-Sulfate	99	495	3
Sodium Sulfide	Sod-Sulfide	02	580	4
Solvent (unspecified or undetermined)	Solvent	03	650	9
Solvesso 150	Solvesso 150	03	660	3
Soybean Oil	Soybean-Oil	03	670	BOD
Stoddard (Solvent)	Stoddard	03	680	2
Strontium Carbonate	Strnt-Carbo	04	080	9
Stypol (sic) viz: Styptal (Cotarnine Phthalate)	Stypol	99	500	9
Styrene	Styrene	02	590	2
Styrene Monomer (Syn. Styrene)	Styrene-Mon	02	590	2
Sugar, liquified	Sugar-Liqui	99	510	9
Sulfonic Acid (N.O.I.)	Sulfonic-Ac	01	400	2
Sulfurated Potash	Sulfurat-PO	05	030	9
Sulfur, Molten (insol. in H_2O)	Sulfur-Molt	01	410	1
Sulfur Mono Chloride (Sulfur Chloride)	Sulfur-Mono	01	420	5

Materials	Abbreviation	Class #	Code	R.H.
Potassium Hydroxide	Pot-Hydroxi	01	320	2
Potassium Permanganate	Pot-Prmangn	06	040	2
Potassium Sulfate	Pot-Sulfate	02	530	2
Powdered Chemicals (unspecified)	Powder-Ch	99	380	9
Propanethiol	Propanthiol	99	390	9
Propylene	Propylene	99	400	1
Protein Foam	Protein-Fom	99	405	6
Propylene Glycol 50% (1, 2 propanediol)	Prop-Glycol	02	540	4
Quench Oil	Quench-oil	03	620	9
Radioactive Waste	Radio-Act-W	07	020	9
Raffinate	Raffinate	99	410	9
Razine (See monomethylhydrazine)	Razine	03	520	5
Reactor Coolant (Atomic)	Reactr-Clnt	07	050	9
Regal PLR "O" oil	Regal-PLR-O	99	420	9
Resin-S1 Syn. Resin Solution	Resin-S1	03	630	9
Resin Solution (unspecified)	Resin-Solut	03	630	9
Resonate Solution (N.O.I.)	Resonate-So	99	440	1
Rosin, Liquid	Rosin-liqui	03	640	3
Salt (See Sodium Chloride)	Salt	99	470	2
Salt Water	Salt-Water	99	450	1
Silicon Compound	Silicon-Com.	99	455	9
Silicon Chloride	Silicon-Chl	01	330	2
Silver Nitrate	Silver-Nitr	06	045	5
Soda Ash (Sodium Carbonate)	Soda-Ash	99	460	2
Sodium Aluminate, liquid	Sod-Alumina	01	340	9
Sodium Arsenate	Sodium-Arsn	02	550	4
Sodium Aresenite	Sodium-Arsi	02	560	5
Sodium Carragheenate (emulsifier)	Sod-Caraget	99	465	6
Sodium chlorate	Sodium-Clat	06	050	3
Sodium chloride	Sodium-clid	99	470	2
Sodium Chloride, Molten - (Syn. Sodium Chloride)	Sod-Clo-Mol	99	470	2
Sodium Chlorite Solution	Sod-Chlor-S	01	350	9

Materials	Abbreviation	Class #	Code	R.H.
Sulfuric Acid	Sulfuric-Ac	01	430	2
Sulfuryl Chloride	Sulfuryl-Ch	01	440	5
Tallow	Tallow	99	520	BOD
Technistrip (N.O.I.)	Technistrip	02	600	9
Telone Chloropicrin (Syn. Chloropicrin) Possible mixture of Telone & Chloropicrin	Telone-Chlo	02	610	5
Tetrachloride Anhydrous (N.O.I.)	Tetrachlord	99	530	9
Tetraethyl Pyrophosphate	Tet-eth-Pyr	02	620	5
Tetrahydrofuran	Tet-Hydr-Fu	03	690	2
Texephene (sic) viz: (Toxaphene)	Toxaphene	02	630	3
Thalic Anhydride (Syn. Phthalic An.)	Thalic-Anhy	99	370	3
Therminol 66 (N.O.I.)	Therminol 66	03	700	9
Thimet (Phorate)	Thimet	02	640	2
Thionyl Chloride	Thionyl-Chl	01	450	4
Thiophenol (Benzenethiol)	Thiophenol	02	650	4
Titanium Tetrachloride	Tit-Tetrach	01	460	2
Toluene (D.O.T. Class)	Toluene	03	710	4
Toluene-2, 4 Diisocyanate	Toluene-Dis	01	465	4
Toluidene (Blue)	Toluidene	02	660	4
Toluol - Syn. Toluene	Toluol	03	710	4
Transformer Oil (Contains Alumina)	Transf-oil	03	720	1
Tri Calcium Arsenate	Tricalc-Ars	02	670	3
Trichloracetaldehyde (chloral hydrate)	Trichlorace	02	680	3
Trichloroethylene	Trichloreth	02	690	4
Triethanolomine	Triethanola	03	730	3
Triethylamine	Triethylami	03	740	3
Trifluroacetic Acid	Trifluroace	01	470	3
Triphenyl Sulfonium Chloride (N.O.I.)	Triphenyl-S	99	540	9
Turpentine	Turpentine	03	750	4
Urana (sic) viz: Urea (Carbanide) liquid fertilizer	Urana-Fertl	99	550	9

Materials	Abbreviation	Class #	Code	R.H.
Urea Formaldehyde	Urea-Formal	02	700	4
Unsymmetrical-dimethyl Hd. (hydrazine)	Unsym-Dimet	03	760	3
Varium Ore (sic) viz: Barium	Varium-Ore	07	010	9
Varnish	Varnish	03	580	9
Vegetable & Fish Oil	Veg-Fish-Oi	99	560	6
Vinegar (10% acetic Acid)	Vinegar	01	480	2
Vinyl Acetate	Vinyl-Aceta	03	770	2
Vinyl Chloride (chloroethylene)	Vinyl-chlor	03	780	2
Waste Pickle liquor (Sulfuric, Nitric, or Hydrochloric Acid)	Waste-Pickl	01	490	2
Weed Killing Comp. (unspecified)	Weed-Killer	02	710	9
Wet Nitro Cellulose (when wet with H_2O)	Wet-Ni-Celo	04	090	9
Wet Nitro Cellulose (when wet with Alcohol or solvent) Upon decomposition may liberate Nitrogen dioxide Gas-RH=5	Wet-Cel-Alc	03	790	9
Wood Pulp	Wood-Pulp	99	600	6
Wood Stain	Wood-Stain	03	580	9
Xylene (Para, Meta, Ortho)	Xylene	03	800	2
Xylol (Syn. Xylene)	Xylol	03	800	2
Zinc (Molten)	Zinc-Molen	99	650	9
Zinc Cyanide	Zinc-Cyanid	02	720	3
Zinc Dust	Zinc-Dust	04	100	9
Zinc Sulfate	Zinc-Sulfat	99	700	4
Zirconium	Zirconium	04	110	1

EPA DATA HANDLING PROGRAM: HAZARDOUS MATERIAL SPILLS

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0001                DIMENSION JTMY(1900),JTMM(1900),JTMD(1900),JTIN(1900),
                   1          JSF(1900),JTM(1900),JPC(1900),JSC(1900),JAR(1900),
                   2          JCLAS(1900),JNAM(1900),JQUAN(1900),JCONT(1900),
                   3          JHAZ(1900),JEQUP(1900),JWTR(1900),JCOS(1900),JDMG(1900),
                   4          JOPFA(1900),JOTFA(1900),JOPIN(1900),JOTIN(1900),
                   5          JSPAC(1900),JATA(1900,3),JOPN(1900),
                   6          JOM(1900),JSC1(1900),JSC2(1900),JQD(1900),JQX(1900),
                   7          JQUN(1900),JTFA(1900),JCSX(1900),JCS(1900),JDMX(1900),
                   9          JOM(1900),JFQP(1900),JST(1900),JCITY(1900,2)
0002                DIMENSION CLS(50),CUSE(100,5),CNTR(100,5),QNTY(10)
0003                DIMENSION ISF(10),ITM1(10),ITM2(10),IPC(10),ISC(10),IAR(10),ICLAS(
                   110),IHAZ(10),INAM(10),IQUAN(10),ICONT(10),IEQUP(10),IWTR(10),ICOS(
                   210),IDMG(10),IOPFA(10),IOTFA(10),IOPIN(10),IOTIN(10),ISPAC(10)
0004                DIMENSION IQD(10),IQX(10),IQUN(10),ICSX(10),ICS(10),IDMX(10),IDM(1
                   20),IFQP(10),IOPN(10),IOM(10),ISC1(10),ISC2(10),IRE(10),IDATA(10,45
                   3)
0005                DIMENSION SPCE(50,5)
0006                DIMENSION IDIVS(1900,18)
0007                ICHK=1
              C READ IN THE PRIMARY AND SECONDARY CAUSES
0008                K=1
0009            462 IF(K-8)445,445,485
0010            445 READ(5,515)KNT,(CUSE(K,J),J=1,5)
0011            515 FORMAT(I2,1X,5A1)
0012                GO TO 125
0013            485 READ(5,510)KNT,(CUSE(K,J),J=1,5)
0014            125 CONTINUE
0015                IF(KNT-99)490,498,490
0016            490 K=K+1
0017                GO TO 462
              C READ IN THE MATERIAL CLASSES
0018            498 K=1
0019            500 READ(5,595)KNT,CLS(K)
0020            535 FORMAT(I2,1X,2A4)
0021            510 FORMAT(I2,1X,5A2)
0022                IF(KNT-99)520,525,520
0023            520 K=K+1
0024                GO TO 500
              C READ IN THE NAMES OF THE CONTAINERS USED
0025            525 K=1
0026            530 READ(5,535)KNT,(CNTR(K,J),J=1,2)
0027                IF(KNT-99)540,545,540
0028            540 K=K+1
0029                GO TO 530
              C READ IN THE TYPE OF QUANITY  LITERS OR KILOGRAMS
0030            545 K=1
0031            580 READ(5,596)KNT,QNTY(K)
0032            596 FORMAT(I2,1X,A1)
```

```
      595 FORMAT(I2,1X,A2)
          IF(KNT-99)600,610,600
      600 K=K+1
          GO TO 580
C READ IN THE VARIOUS INFORMATION SOURCES
      610 K=1
      620 READ(5,510)KNT,(SRCE(K,J),J=1,5)
          IF(KNT-99)630,635,630
      630 K=K+1
          GO TO 620
      635 CONTINUE
C READ IN THE GROUPING CARDS     MAXIMUM NUMBER IS TEN
          IMORE=0
        1 CONTINUE
          J=1
        3 READ(5,100)ISR(J),ITM1(J),ITM2(J),IPC(J),ISC(J),IAR(J),ICLAS(J),IH
         1AZ(J),INAM(J),IQD(J),IQX(J),IQUN(J),ICONT(J),IEQUP(J),IWTR(J),ICSX
         2(J),ICS(J),IDMX(J),IDM(J),IOPFA(J),IOTFA(J),IOPIN(J),IOTIN(J),ISPA
         3C(J),IEQP(J),IOPN(J),IOM(J),ISC1(J),ISC2(J),IRF(J),(IDATA(J,M),M=1
         4,7)
          IF(ISR(J)-99)9,7,9
        9 CONTINUE
          READ(5,106)(IDATA(J,M),M=8,43)
          WRITE(6,750)J,(IDATA(J,M),M=1,43)
          N=IQX(J)
          M=ICSX(J)
          L=IDMX(J)
          IQUAN(J)=(10**N)*IQUN(J)
          ICOS(J)=(10**M)*ICS(J)
          IDMG(J)=(10**L)*IDM(J)
          J=J+1
          GO TO 3
        7 INUM=J-1
          IF(IMORE)13,913,13
       13 J=1
          GO TO 171
C THIS SEGMENT READS IN THE DATA CARDS(SPILL INCIDENTS)
      913 K=1
          IALPH=0
       11 CONTINUE
          IF(IALPH)702,15,702
       15 READ(8,110,END=20)JSR(K),JTMY(K),JTMM(K),JTMD(K),JPC(K),JSC(K),
         $  JAR(K),JCL
         1AS(K),JHAZ(K),JNAM(K),JQD(K),JQX(K),JQUN(K),JCONT(K),JEQUP(K),JWTR
         2(K),JCSX(K),JCS(K),JDMX(K),JDM(K),JOPFA(K),JOTFA(K),JOPIN(K),JOTIN
         3(K),JSPAC(K),JEQP(K),JST(K),(JCITY(K,M),M=1,2),(JATA(K,M),M=1,3),J
         4OPN(K),JOM(K),JSC1(K),JSC2(K)
          IF(JSR(K)-98)701,20,701
```

```
 0069           701 IF(JSR(K)-20)700,700,703
 0070           703 IALPH=1
 0071               K=K+1
 0072               GO TO 11
 0073           702 READ(8,704,END=20)(IDIVS(K,NN),NN=1,18)
 0074           704 FORMAT(18A4)
 0075               IALPH=0
 0076               GO TO 21
 0077           700 CONTINUE
 0078               JTM(K)=(JTMY(K)*10000)+(JTMM(K)*100)+JTMD(K)
 0079               N=JQX(K)
 0080               M=JCSX(K)
 0081               L=JDMX(K)
 0082               JQUAN(K)=(10**N)*JQUN(K)
 0083               JCOS(K)=(10**M)*JCS(K)
 0084               JDMG(K)=(10**L)*JDM(K)
 0085               JTIN(K)=JOPIN(K)+JOTIN(K)
 0086               JTFA(K)=JOPFA(K)+JOTFA(K)
 0087            21 CONTINUE
 0088               K=K+1
 0089               GO TO 11
 0090            20 CONTINUE
 0091               J=1
 0092               IW=K-1
 0093           401 CONTINUE
 0094               LK=1
 0095               WRITE(6,777)
 0096               IF(ICHK-1)171,23,171
 0097            23 WRITE(6,772)
 0098               GO TO 43
 0099           171 CONTINUE
 0100               WRITE(6,255)(IDATA(J,M),M=1,43)
 0101            43 CONTINUE
 0102               WRITE(6,960)
 0103               WRITE(6,961)
 0104               WRITE(6,962)
 0105               WRITE(6,963)
 0106               WRITE(6,964)
 0107               WRITE(6,965)
 0108               WRITE(6,966)
 0109               WRITE(6,967)
 0110               WRITE(6,968)
 0111               WRITE(6,969)
 0112               WRITE(6,776)
 0113               JTCOS=0
 0114               JTDMG=0
 0115               JTTIN=0
 0116               JTTFA=0
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 0117                  JTCPF=0
 0118                  JTOTF=0
 0119                  JTCPN=0
 0120                  JTOTN=0
 0121                  JTLIT=0
 0122                  JTKG=0
 0123                  IALPH=0
 0124                  LCNT=14
 0125                  DO 300 I=1,IW
 0126                  IF(IALPH)220,220,827
 0127              220 CONTINUE
 0128                  IF(ICHK-1)219,174,219
 0129              219 CONTINUE
 0130                  IF(ISR(J))8,12,8
 0131                8 IF(JSR(I)-99)10,300,10
 0132               10 IF(ISR(J)-JSR(I))300,12,300
 0133               12 IF(ITM1(J))14,18,14
 0134               14 IF(JTM(I)-999999)16,300,16
 0135               16 IF(ITM2(J)-JTM(I))300,18,17
 0136               17 IF(ITM1(J)-JTM(I))18,18,300
 0137               18 IF(IPC(J))19,24,19
 0138               19 IF(JPC(I)-99)22,300,22
 0139               22 IF(IPC(J)-JPC(I))300,24,300
 0140               24 IF(ISC(J))26,32,26
 0141               26 IF(JSC(I)-99)28,300,28
 0142               28 IF(ISC(J)-JSC(I))300,32,300
 0143               32 IF(IAR(J))34,38,34
 0144               34 IF(JAR(I)-9)36,300,36
 0145               36 IF(IAR(J)-JAR(I))300,38,300
 0146               38 IF(ICLAS(J))40,44,40
 0147               40 CONTINUE
 0148               42 IF(ICLAS(J)-JCLAS(I))300,44,300
 0149               44 IF(IHAZ(J))46,50,46
 0150               46 IF(JHAZ(I)-99)48,300,48
 0151               48 IF(IHAZ(J)-JHAZ(I))300,50,300
 0152               50 IF(INAM(J))52,56,52
 0153               52 IF(JNAM(I)-999)54,300,54
 0154               54 IF(INAM(J)-JNAM(I))300,56,300
 0155               56 IF(IQD(J))58,62,58
 0156               58 IF(JQD(I)-3)300,60,60
 0157               60 IF(IQX(J)-JQX(I))300,62,300
 0158               62 IF(ICONT(J))64,68,64
 0159               64 IF(JCONT(I)-99)66,300,66
 0160               66 IF(ICONT(J)-JCONT(I))300,68,300
 0161               68 IF(IEQUP(J))70,74,70
 0162               70 IF(JEQUP(I)-99)72,300,72
 0163               72 IF(IEQUP(J)-JEQUP(I))300,74,300
 0164               74 IF(IWTR(J))76,80,76
 76 IF(JWTR(I)-9)78,300,78
 78 IF(IWTR(J)-JWTR(I))300,80,300
 80 IF(ICSX(J))82,86,82
 82 IF(JCSX(I)-9)84,300,84
 84 IF(ICSX(J)-JCSX(I))86,86,300
 86 IF(IDMG(J))88,92,88
 88 IF(JDMX(I)-9)90,300,90
 90 IF(IDMG(J)-JDMG(I))92,92,300
 92 IF(IOPFA(J))94,98,94
 94 IF(JOPFA(I)-9)96,300,96
 96 IF(IOPFA(J)-JOPFA(I))98,98,300
 98 IF(IOTFA(J))101,118,101
101 IF(JOTFA(I)-99)102,300,102
102 IF(IOTFA(J)-JOTFA(I))118,118,300
118 IF(IOPIN(J))120,124,120
120 IF(JOPIN(I)-9)122,300,122
122 IF(IOPIN(J)-JOPIN(I))124,124,300
124 IF(IOTIN(J))126,132,126
126 IF(JOTIN(I)-99)128,300,128
128 IF(IOTIN(J)-JOTIN(I))132,132,300
132 IF(ISPAC(J))134,138,134
134 CONTINUE
136 IF(ISPAC(J)-JSPAC(I))300,138,300
138 IF(IEQP(J))140,144,140
140 IF(JEQP(I)-99)142,300,142
142 IF(IEQP(J)-JEQP(I))300,144,300
144 IF(IOPN(J))146,150,146
146 IF(JOPN(I)-9)148,300,148
148 IF(IOPN(J)-JOPN(I))300,150,300
150 IF(IOM(J))152,156,152
152 IF(JOM(I)-9)154,300,154
154 IF(IOM(J)-JOM(I))300,156,300
156 IF(ISC1(J))158,162,158
158 IF(JSC1(I)-99)160,300,160
160 IF(ISC1(J)-JSC1(I))300,162,300
162 IF(ISC2(J))164,168,164
164 IF(JSC2(I)-99)166,300,166
166 IF(ISC2(J)-JSC2(I))300,168,300
168 IF(IRE(J)-99)170,174,170
170 IF(IRE(J)-JOPN(I))300,174,300
174 CONTINUE
    IA=JCLAS(I)
    IB=JQD(I)
    IC=JPC(I)
    ID=JSC(I)
    IE=JCONT(I)
    IX=JSC1(I)
    IY=JSC2(I)
```

```
  192 IF(IA-99)194,193,194
  193 IA=9
  194 IF(IB-9)197,196,197
  196 IB=3
  197 CONTINUE
      IF(IC-99)203,202,203
  202 IC=9
  203 IF(ID-99)207,206,207
  206 ID=9
  207 IF(IX-99)209,208,209
  208 IX=9
  209 IF(IY-99)211,210,211
  210 IY=9
  211 CONTINUE
      IF(JCSX(I)-9)801,803,801
  801 JTCOS=JTCOS+JCOS(I)
  803 IF(JOMX(I)-9)805,807,805
  805 JTDMG=JTDMG+JDMG(I)
  807 IF(JOPIN(I)-9)811,809,811
  809 JOPIN(I)=0
  811 IF(JOTIN(I)-99)815,813,815
  813 JOTIN(I)=0
  815 IF(JOPFA(I)-9)819,817,819
  817 JOPFA(I)=0
  819 IF(JOTFA(I)-99)823,821,823
  821 JOTFA(I)=0
  823 CONTINUE
      JTFA(I)=JOPFA(I)+JOTFA(I)
      JTIN(I)=JOPIN(I)+JOTIN(I)
      IF(IALPH)827,824,827
  824 IF(JSR(I)-20)835,835,826
  826 IALPH=1
      GO TO 300
  827 CONTINUE
      IF(LNCT-42)910,910,905
  905 WRITE(6,918)
  918 FORMAT(1H1)
      LNCT=0
  910 CONTINUE
      WRITE(6,829)(IDIVS(I,JJ),JJ=1,18)
  829 FORMAT(/,25X,18A4)
      WRITE(6,960)
      WRITE(6,961)
      WRITE(6,962)
      WRITE(6,963)
      WRITE(6,964)
      WRITE(6,965)
      WRITE(6,966)
```

```
0261                  WRITE(6,967)
0262                  WRITE(6,968)
0263                  WRITE(6,969)
0264                  WRITE(6,776)
0265                  LNCT=LNCT+13
0266                  IALPH=0
0267                  LK=1
0268                  GO TO 300
0269              835 CONTINUE
0270                  IF(LNCT-57)927,927,923
0271              923 CONTINUE
0272                  WRITE(6,918)
0273                  LNCT=0
0274              927 CONTINUE
0275                  WRITE(6,240)LK,JTMM(I),JTMD(I),JTMY(I),(JCITY(I,M),M=1,2),JST(I),(
                1JATA(I,M),M=1,3),CLS(IA),JQUN(I),JQX(I),QNTY(IB),JTIN(I),JTFA(I),J
                2HAZ(I),JDM(I),JDMX(I),(CUSE(IC,N),N=1,5),                 (CUSE(ID,N
                3),N=1,5),(CUSE(IX,N),N=1,5),(CUSE(IY,N),N=1,5),(CNTR(IE,N),N=1,2),
                4JOM(I),JEQP(I),JAR(I),JSR(I)
0276                  LNCT=LNCT+1
0277                  LK=LK+1
0278                  GO TO 300
0279                  JTOPN=JTOPN+JOPIN(I)
                $
************01)  IEY002I LABEL*************************************************************************************************
0280                  JTOTN=JTOTN+JOTIN(I)
0281                  JTOPF=JTOPF+JOPFA(I)
0282                  JTOTF=JTOTF+JOTFA(I)
0283                  JTTIN=JTTIN+JTIN(I)
0284                  JTTFA=JTTFA+JTFA(I)
0285                  IF(JQD(I)-1)283,286,283
0286              283 IF(JQD(I)-2)300,289,300
0287              286 JTLIT=JTLIT+JQUAN(I)
0288                  GO TO 300
0289              289 JTKG=JTKG+JQUAN(I)
0290              300 CONTINUE
0291                  IF(ICHK-1)249,229,249
0292              229 ICHK=99
0293                  GO TO 20
0294              249 CONTINUE
0295                  IF(INUM-J)375,375,330
0296              330 J=J+1
0297                  GO TO 401
0298              375 IF(ITM1(J+1))380,385,380
0299              380 IMORE=1
0300                  LK=1
0301                  GO TO 1
0302              385 WRITE(6,180)
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 0303          100 FORMAT(I2,2I6,2I2,I1,2I2,I3,2I1,3I2,2I1,I2,I1,I2,3(I1,I2),2I1,3I2,
                  17A2)
 0304          106 FORMAT(36A2)
 0305          110 FORMAT(6I2,I1,2I2,I3,2I1,3I2,2I1,4(I2,I1),I2,A2,5A4,2I1,2I2)
 0306          180 FORMAT(1H,'END OF JOB')
 0307          240 FORMAT(1H,I4,'.',   I2,'/',I2,'/',I2,1X,2A4,',',A2,1X,3A4,1X,A2,
                  $         1X,
                  1 I2,'E',I1,A1,1X,3(I2,1X),1(I2,'E',I1,1X),5A1,1X,3(5A2,1X),2A4,1X,
                  22(I1,I2))
 0308          255 FORMAT(1H//43A2/)
 0309          777 FORMAT(1H1,52X,'EPA SPILL STUDY')
 0310          750 FORMAT(1H,I3,'.',43A2)
 0311          772 FORMAT(1H/'ALL INCIDENTS USED IN THIS ANALYSIS'/)
 0312          776 FORMAT(1H ,4X,'DATE',5X,'LOCATION',4X,'MATERIAL  CLASS
                  1    DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M')
 0313          960 FORMAT(1H/,51X,'F')
 0314          961 FORMAT(1H,52X,'A')
 0315          962 FORMAT(1H,49X,'I',2X,'T',11X,'P')
 0316          963 FORMAT(1H,43X,'Q',5X,'N',2X,'A',1X,10X,'R',48X,'D')
 0317          964 FORMAT(1H,43X,'U',5X,'J',2X,'L',2X,'H', 8X,'I',48X,'P',1X,'S')
 0318          965 FORMAT(1H,43X,'A',5X,'U',2X,'I',2X,'A', 8X,'M',50X,'O')
 0319          966 FORMAT(1H,43X,'N',5X,'R',2X,'T',2X,'Z', 8X,'A',47X,'E','A',1X,'U')
 0320          967 FORMAT(1H,43X,'I',5X,'I',2X,'I',2X,'A', 8X,'R',47X,'Q','R',1X,'R')
 0321          968 FORMAT(1H,43X,'T',5X,'E',2X,'E',2X,'R', 8X,'Y',47X,'UE',1X,'C')
 0322          969 FORMAT(1H,43X,'Y',5X,'S',2X,'S',2X,'D', 8X,48X,'P','A',1X,'E')
 0323               END



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  *OPTIONS IN EFFECT*  ID,EBCDIC,SOURCE,NOLIST,NODECK,LOAD,NOMAP
  *OPTIONS IN EFFECT*  NAME = MAIN     , LINECNT =       50
  *STATISTICS*    SOURCE STATEMENTS =       323,PROGRAM SIZE =   474918
  *STATISTICS* 001 DIAGNOSTICS GENERATED, HIGHEST SEVERITY CODE IS 0
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APPENDIX B

LIST OF SOURCES USED IN CONJUNCTION WITH DATA ACCUMULATION AND ANALYSIS

Chemical Engineering 6/25/73, Bi-weekly publication Vol. 80, No. 15 pp. 72-94
Transporting, Loading and Unloading Hazardous Materials
Author: William S. Wood; Chemical Safety Consultant
Ed. & Pub.; McGraw-Hill Publications Co., McGraw-Hill Bld.,
1221 Ave. of The Americas, New York, N. Y. 10020

Chemical Eng. Handbook, Fifth Edition 1973
Ed: Robert H. Perry and Cecil H. Chilton
Pub: McGraw-Hill Book Co. Inc., New York, Toronto, London

Chemical Data Guide For Bulk Shipment By Water
U. S. Coast Guard Treasury Dept.

Chemical Safety Data Sheets V. 1, V. 2, Nos. 1-100, 1960-1976
Manufacturing Chemists Assoc., Inc.
1825 Connecticut Ave. N.W., Washington, D.C. 20009

Control of Hazardous Material Spills
Proceedings of The 1972 National Conference on Control of Hazardous Material Spills
Sponsored by: U. S. Environmental Protection Agency and University of Houston
Pub: Graphics Management Corp., 1101 16 St. N.W., Washington, D.C. 20036

Cleaning Our Environment: The Chemical Basis for Action
A Report by The Subcommittee on Environmental Improvement,
Committee on Chemistry and Public Affairs,
American Chemical Society, Washington, D.C. 1969

Control of Spillage of Hazardous Polluting Substances
Authors: G. W. Dawson, A. J. Shuckrow, W. H. Suist
For: Federal Water Quality Administration, U. S. Dept. of The Interior
Available from Superintendent of Documents, U. S. Government Printing Office
Washington, D.C. 20402

C.R.C. Handbook of Analytical Toxicology
Editor: Irving Sunshine, Ph.D
Pub: The Chemical Rubber Co. 18901 Cranwood Parkway,
Cleveland, Ohio 44128 1969

C.R.C. Handbook of Chemistry and Physics
50th Ed. 1969-70
Editor: Robert C. Weast, Ph.D
Pub: The Chemical Rubber Co., 18901 Cranwood Parkway,
Cleveland, Ohio 44128

Department of Transportation, U.S.C.G.

Determination of Organic Structures by Physical Methods
Editors: Braude & Nachod
Pub: Academic Press Inc., New York, N. Y.

Environmental Science and Technology
1973-1974, Vols. 7-8 No. 1-12
Pub: American Chemical Society
20th & Northhampton Sts., Easton, Pa. 18042

Factory Mutual Loss Prevention Data
Pub: Factory Mutual Engineering Corp.

Guide for Preparing Hazardous Materials Incident Reports
Pub: U. S. Department of Transportation,
Office of Hazardous Materials, 400 Sixth St., S. W.
Washington D. C. 20590 Aug. 1972

Handbook of Chemistry Ninth Ed.
Compiled and Edited by Norbert Adolph Lange, Ph.D
Pub: Handbook Publishers Inc., Sandusky, Ohio 1956

Handbook of Industrial Loss Prevention, Second Ed. 1959-1967
Prepared by The Staff of The Factory Mutual Engineering Corp.
Pub: McGraw-Hill Book Co.

Handbook of Material Trade Names
Authors: O. T. Zimmerman, Ph.D, Irvin Lavine, Ph.D
Pub: Industrial Research Services, Dover, N. H.
1953 Ed., Supp. 1, 1956; Supp. 2, 1957, Supp. 3, 1960; Supp. 4, 1965

The Handbook of Solvents 1953
Authors: Leopold Scheflan, Morris B. Jacobs, Ph.D
Pub: D. Van Nostrand Co. Inc., Toronto, N. Y., London

Hazardous Commodity Handbook 1st Ed.
pub: National Tank Truck Carriers Inc.
1616 P St., N.W., Washington, D.C. 20036 1968

Hazardous Materials Definitions
Abstracts from The Code of Federal Regulations, Title 49 --
Transportation, Parts 100-199
Pub: D.O.T. Office of Hazardous Materials May 1972

Industrial Pollution Control Handbook
Ed: Herbert F. Lund; Pres. Leadership Plus, Inc.
Former Editor-in-Chief, Factory Magazine
Pub: McGraw-Hill Book Co., New York, San Francisco 1971

Kirk-Othmer Encyclopedia of Chemical Technology,
Second Ed. Vols. 1-22 and Supplement
Executive Ed: Anthony Standen
Copyright 1972 by John Wiley and Sons, Inc.

The Merck Index
Eighth Edition 1968
Ed: Paul G. Stecher
Pub: Merck & Co., Inc., Rahway, N.J.

Motor Carrier Safety Accident File Tape Layout
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Author: G. L. Mack

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Edited by Ethel Browning, MD
Pub: Elsevier Pub. Co., Amsterdam, London, N.Y., Princeton 1959

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TSA-24
400 Sixth St., S.W., Washington, D.C. 20590

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Ed: K. B. Lehmann and F. Flury
Translated by Eleanor King and Henry F. Smyth, Jr.
Pub: Williams & Wilkins Co., Baltimore 1943

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Ed: Herbert E. Christensen, D.Sc
Pub: U.S. Department of Health, Education & Welfare
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Rockville, Md. 20852

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A DDC Bibliography June 1973
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Cameron Station, Alexandria, Va. 22314

APPENDIX C

MATERIAL CLASS, CAUSE AND OPERATIONAL AREA FREQUENCY DISTRIBUTIONS - 1971, 1972, and Jan-June 1973

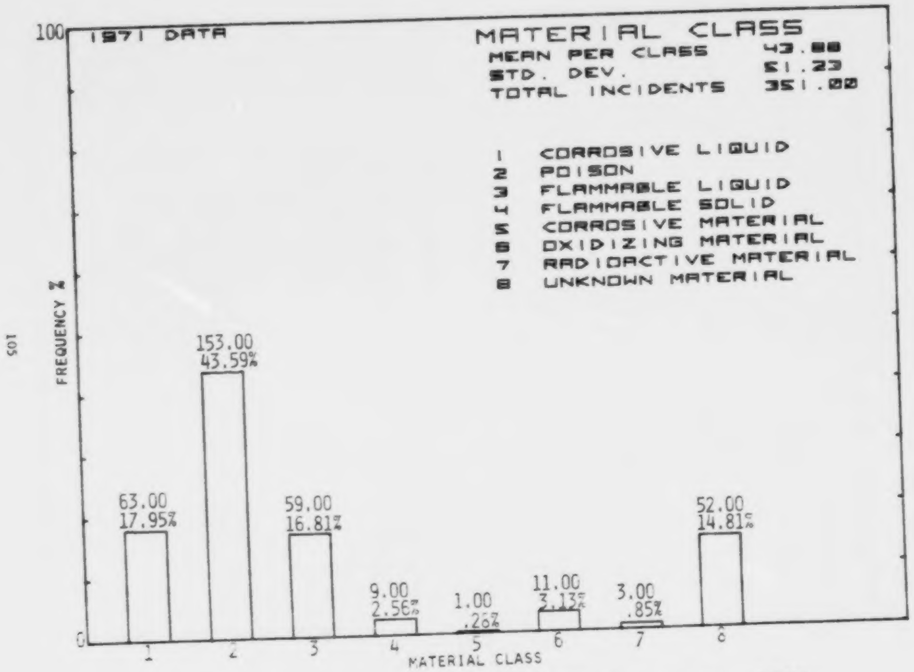

FIGURE C-1 1971 SPILLS BY MATERIAL CLASS, 1971

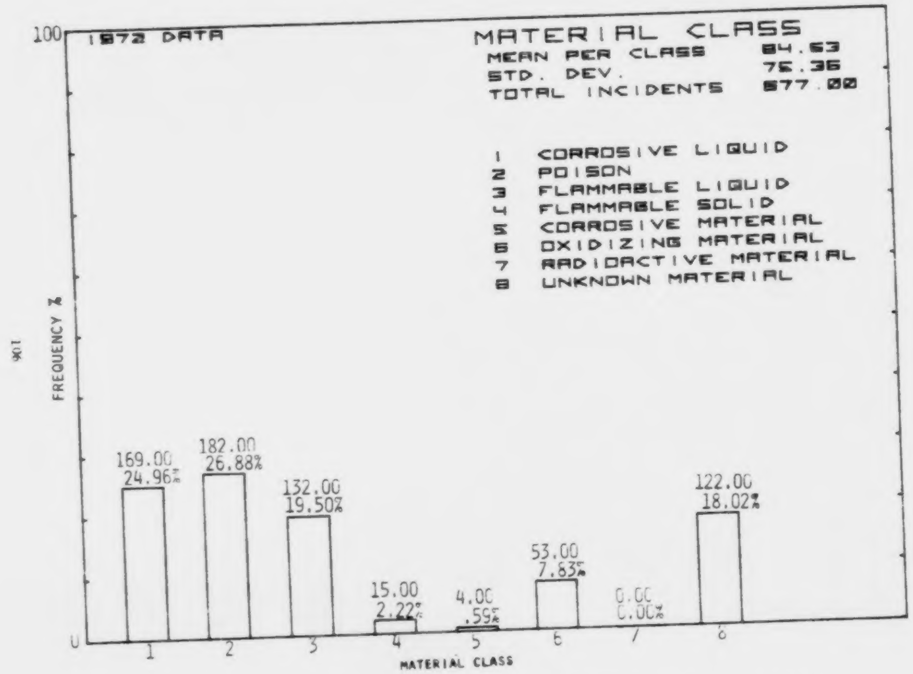

FIGURE C-2 1972 SPILLS BY MATERIAL CLASS, 1972

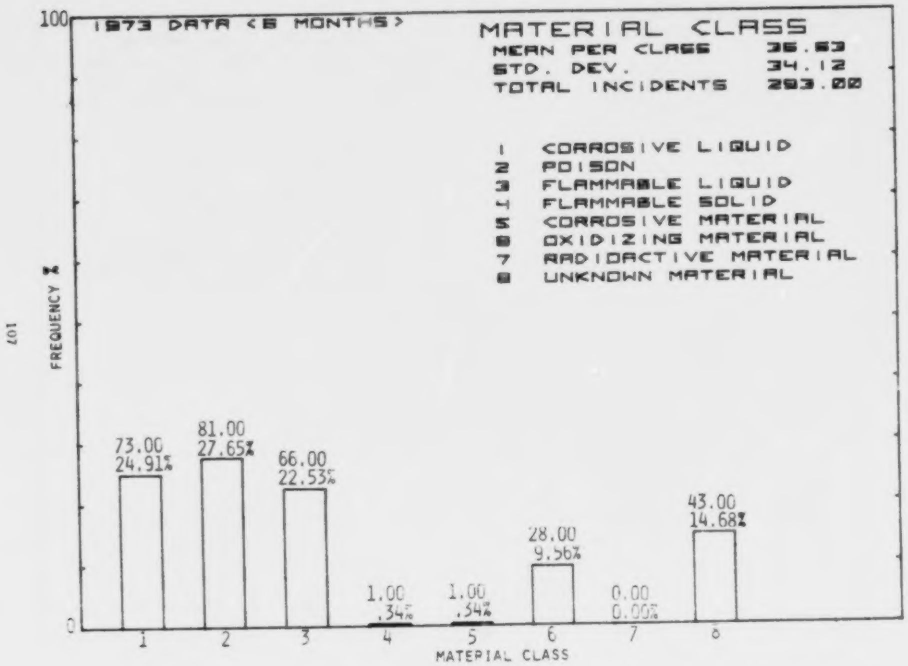

FIGURE C-3 1973 SPILLS BY MATERIAL CLASS, (6 MONTHS)

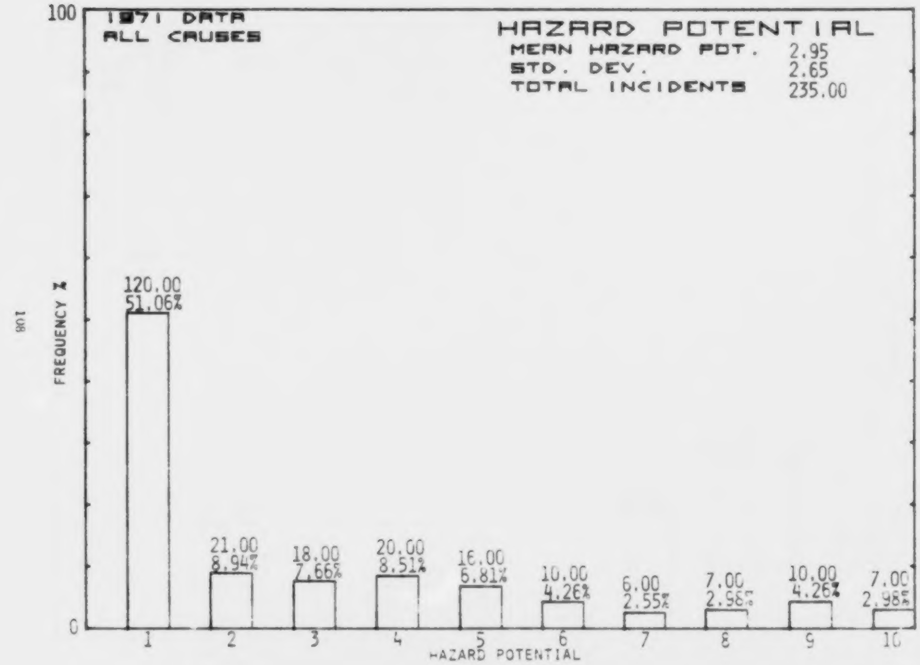

FIGURE C-4 1971 SPILLS BY HAZARD POTENTIAL

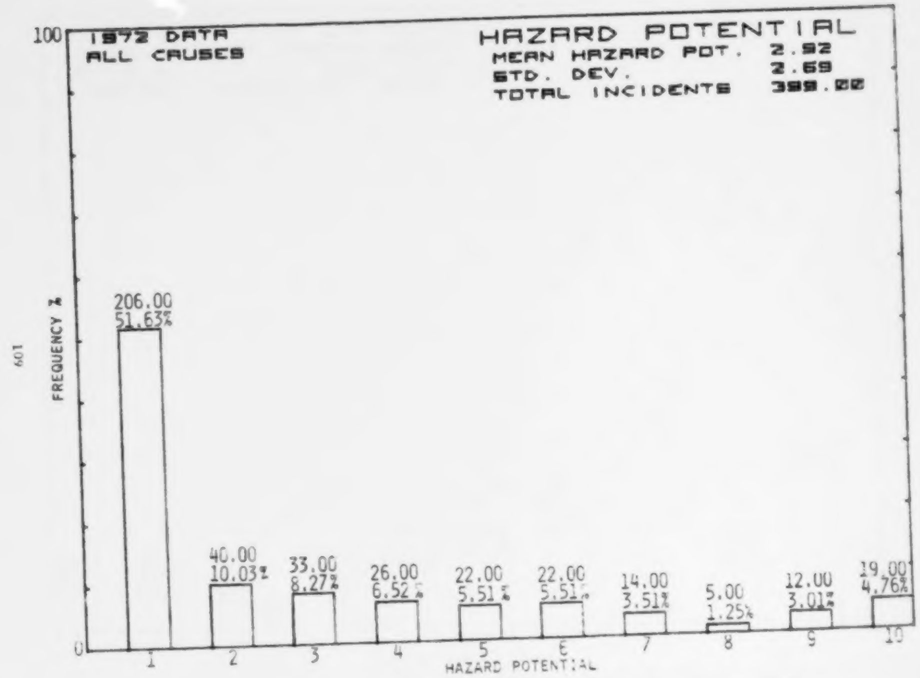

FIGURE C-5 1972 SPILLS BY HAZARD POTENTIAL

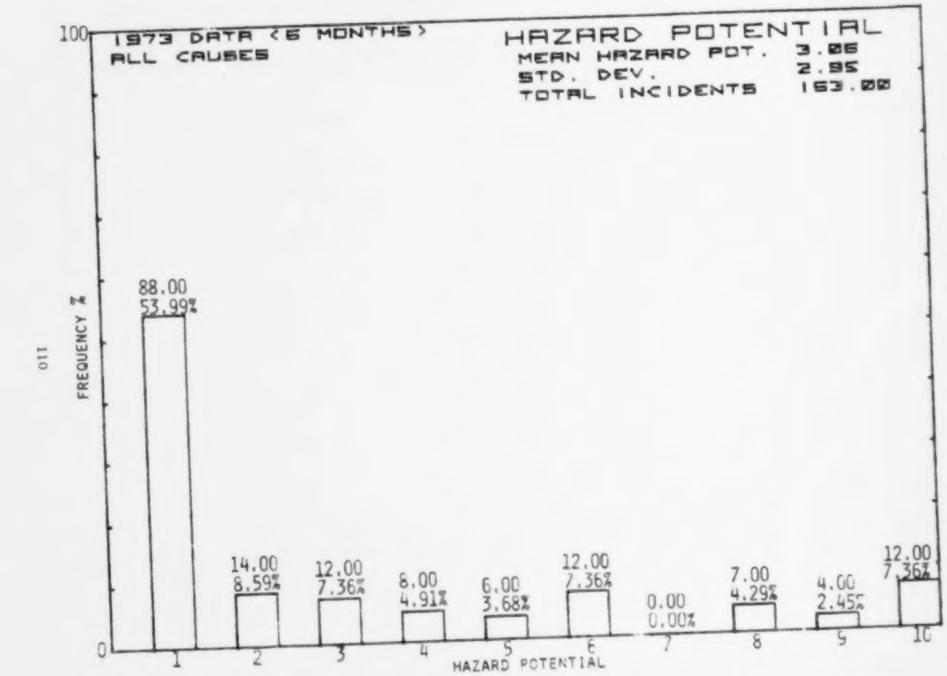

FIGURE C-6 1973 SPILLS BY HAZARD POTENTIAL (6MONTHS)

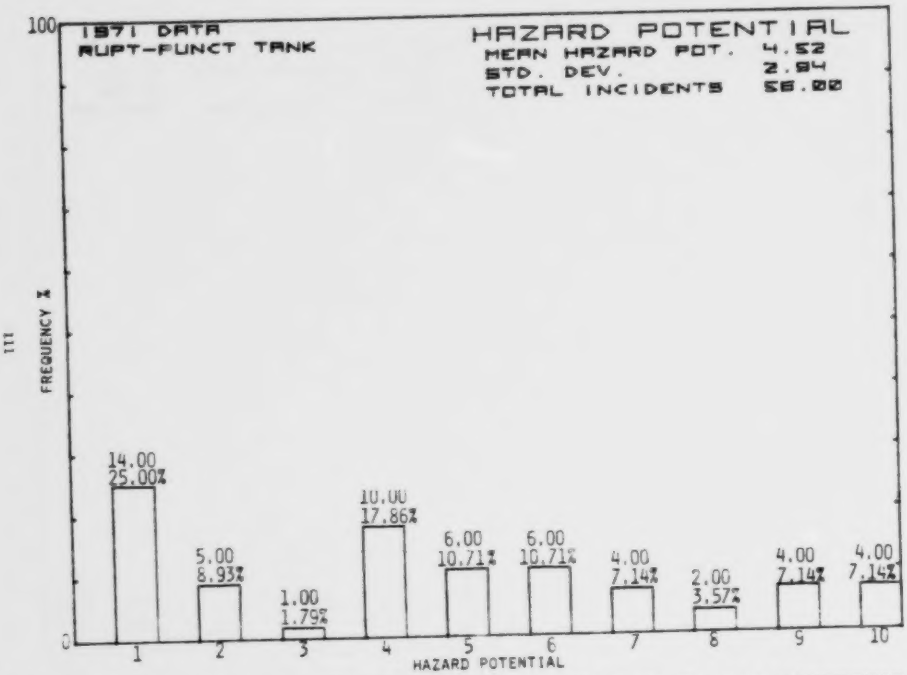

FIGURE C-7 1971 TANK RUPTURE-PUNCTURE SPILLS BY HAZARD POTENTIAL

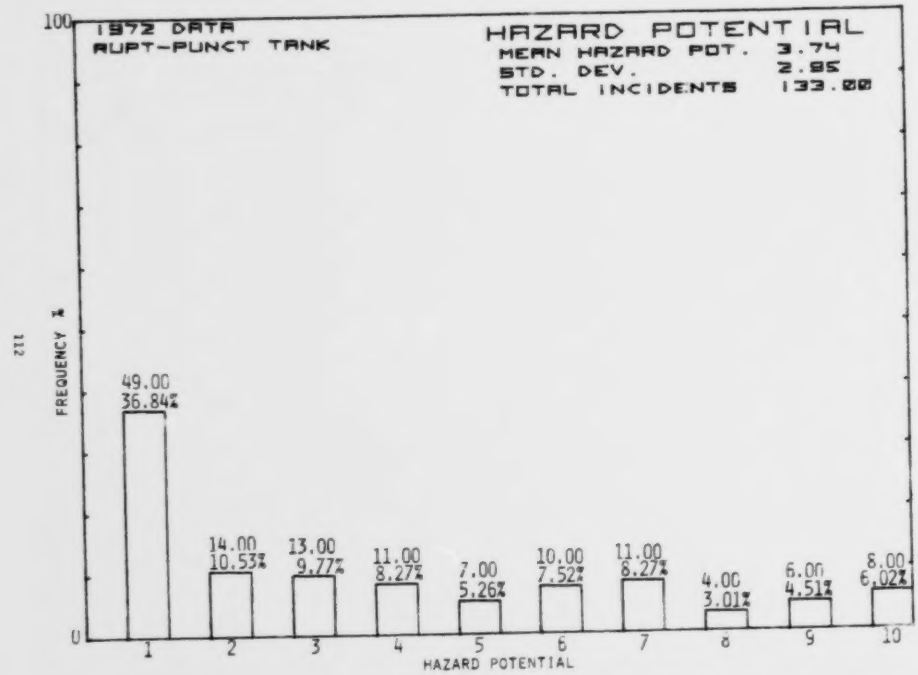

FIGURE C-8 1972 TANK RUPTURE-PUNCTURE SPILLS BY HAZARD POTENTIAL

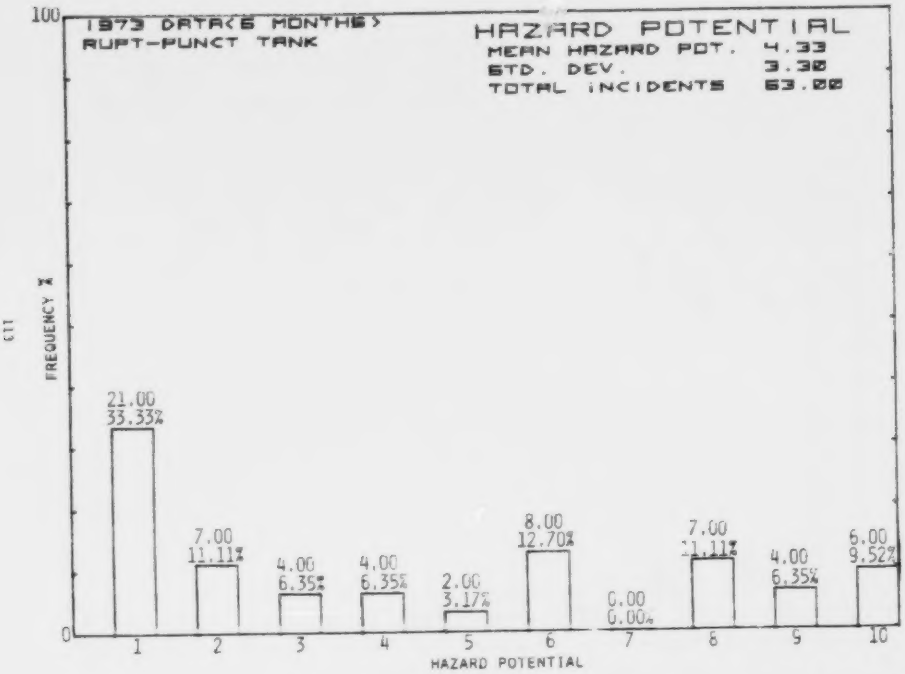

FIGURE C-9 1973 TANK RUPTURE-PUNCTURE SPILLS BY HAZARD POTENTIAL (6 MONTHS)

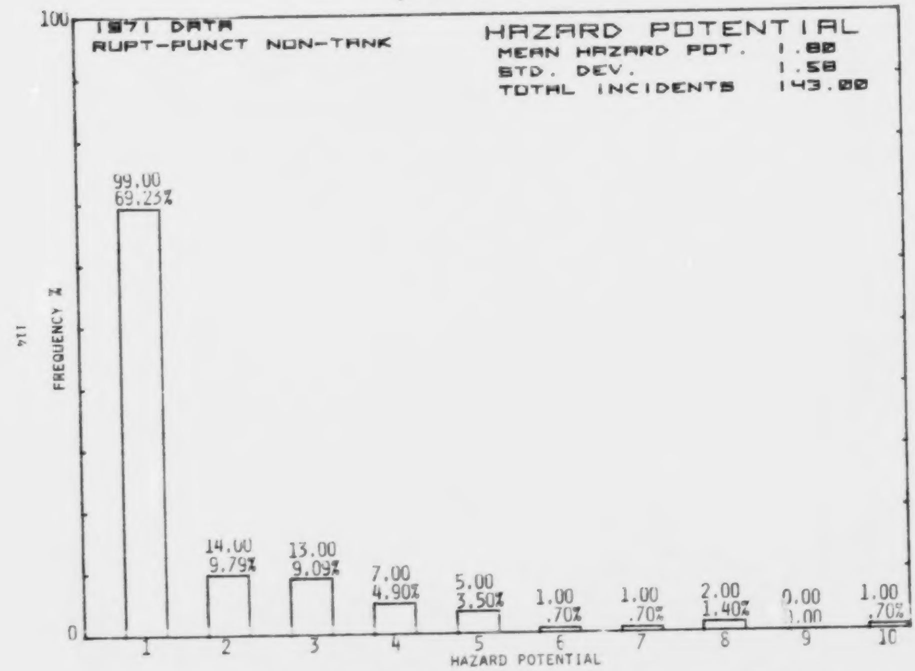

FIGURE C-10 1971 NON-TANK RUPTURE-PUNCTURE SPILLS BY HAZARD POTENTIAL

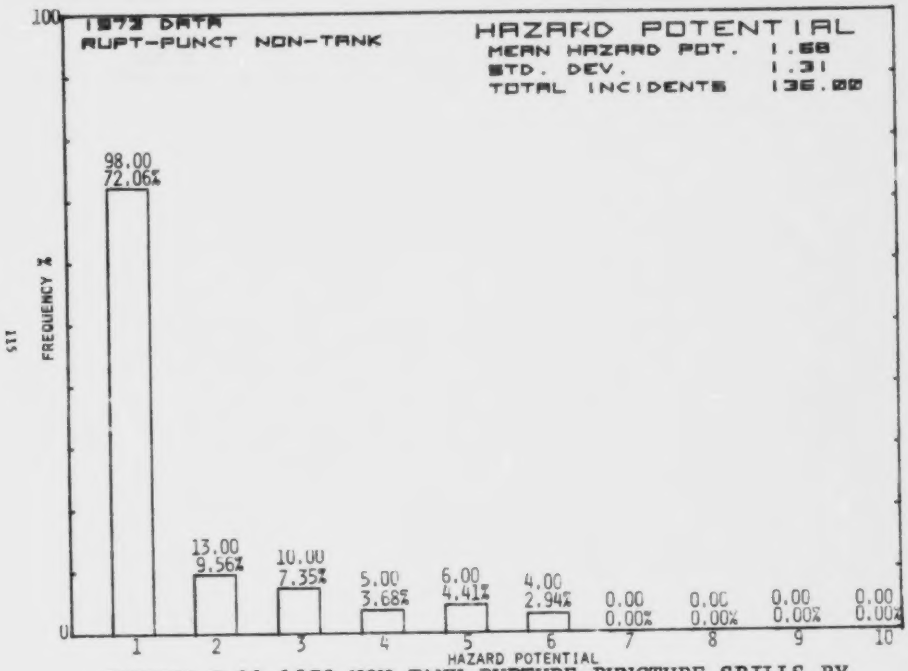

FIGURE C-11 1972 NON-TANK RUPTURE-PUNCTURE SPILLS BY HAZARD POTENTIAL

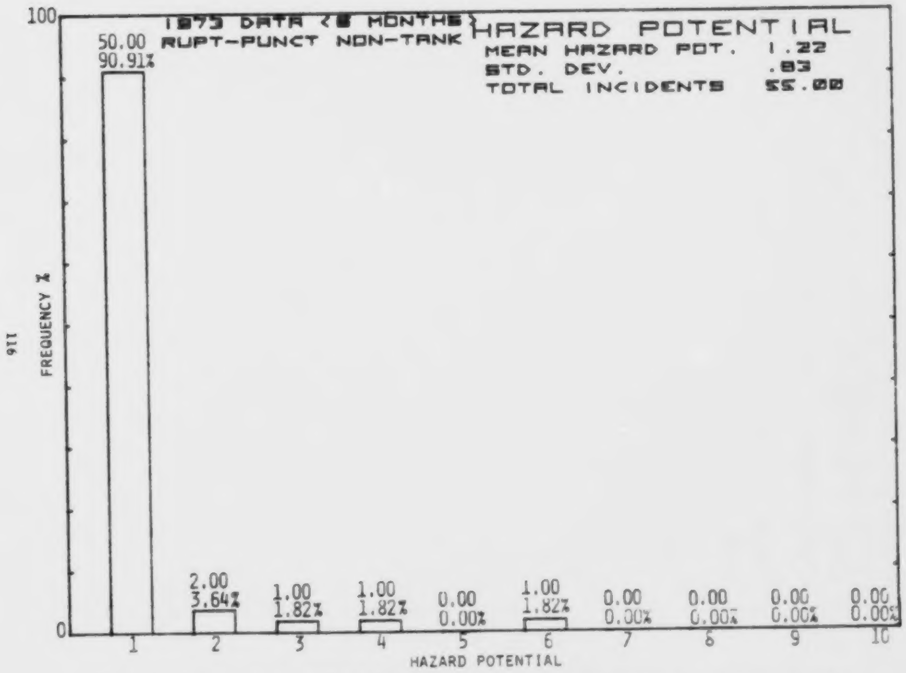

FIGURE C-12 1973 NON-TANK RUPTURE-PUNCTURE SPILLS BY HAZARD POTENTIAL (6 MONTHS)

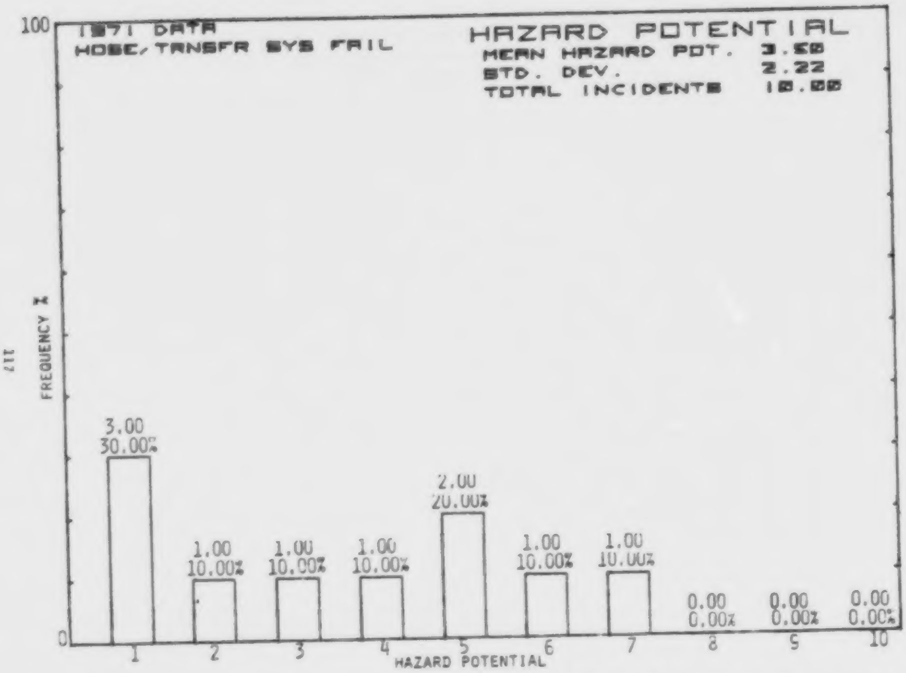

FIGURE C-13 1971 HOSE OR TRANSFER SYSTEM SPILLS BY HAZARD POTENTIAL

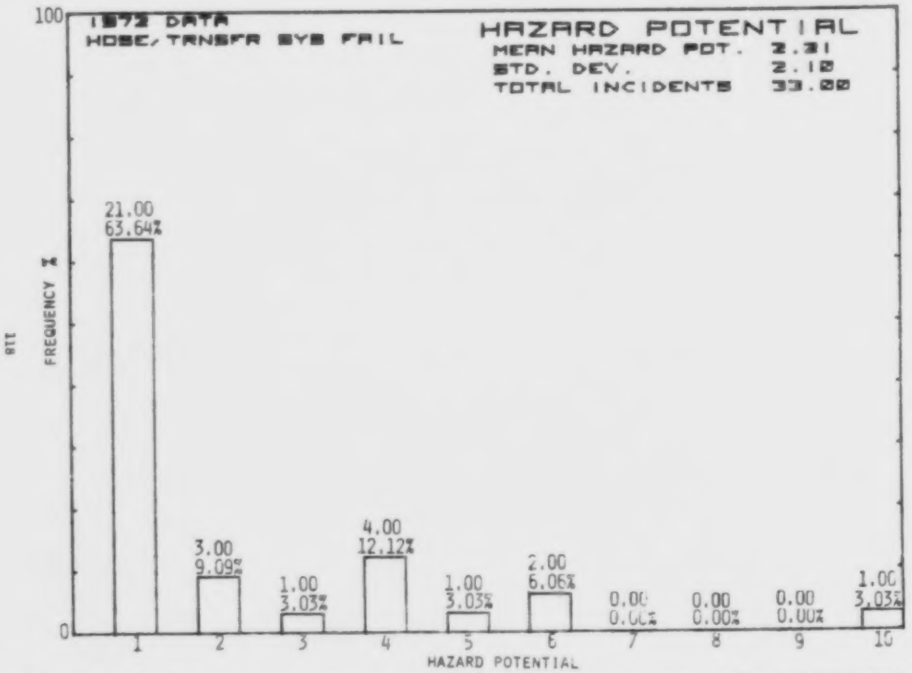

FIGURE C-14 1972 HOSE OR TRANSFER SYSTEM SPILLS BY HAZARD POTENTIAL

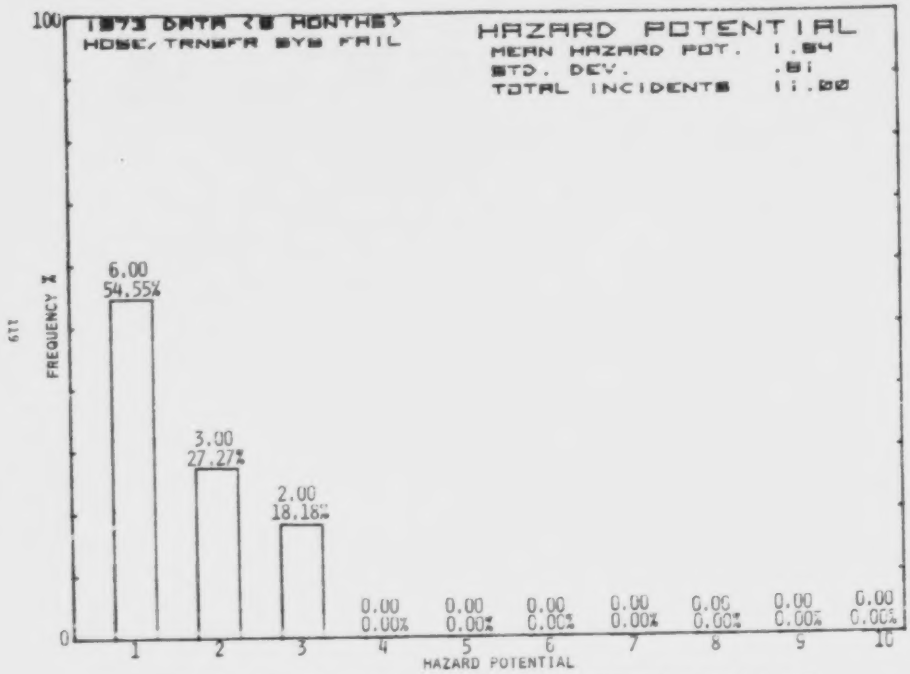

FIGURE C-13 1971 HOSE OR TRANSFER SYSTEM SPILLS BY HAZARD POTENTIAL (6 MONTHS)

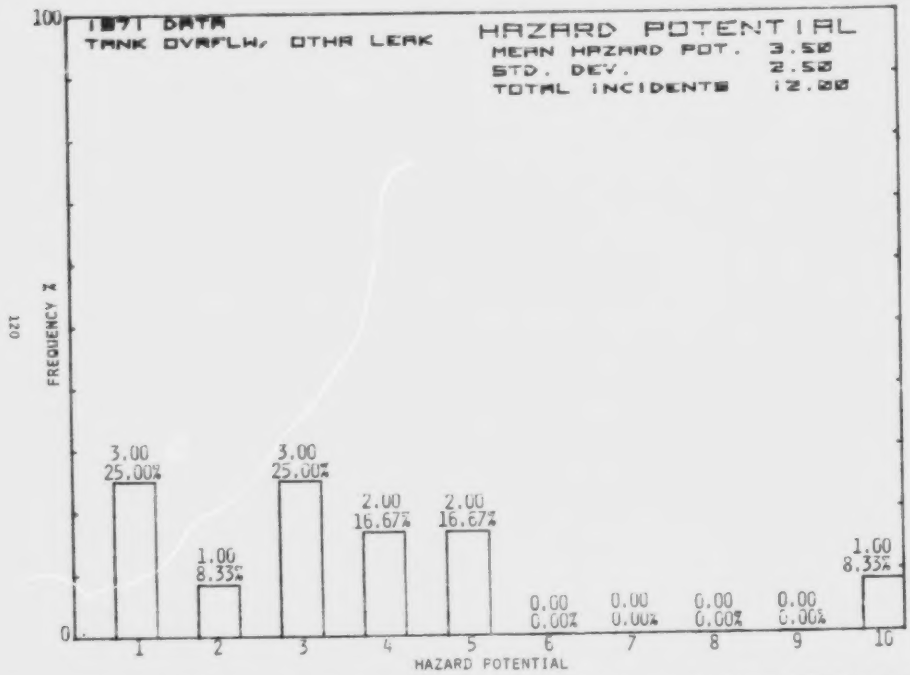

FIGURE C-16 1971 TANK OVERFLOW, OTHER LEAKAGES BY HAZARD POTENTIAL

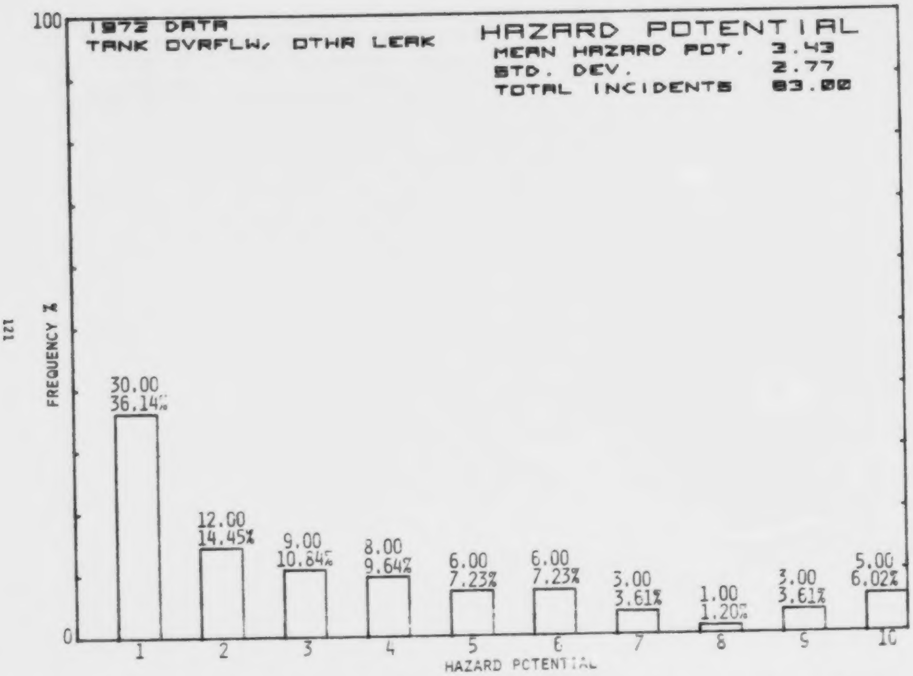

FIGURE C-17 1972 TANK OVERFLOW, OTHER LEAKAGES BY HAZARD POTENTIAL

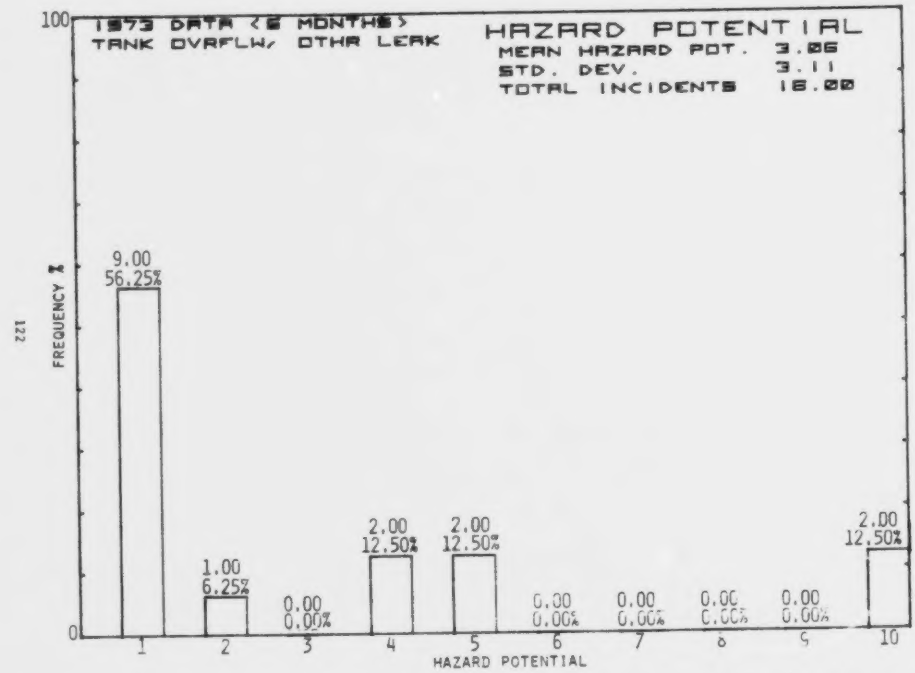

FIGURE C-18 1973 TANK OVERFLOW, OTHER LEAKAGES BY HAZARD POTENTIAL
(6 MONTHS)

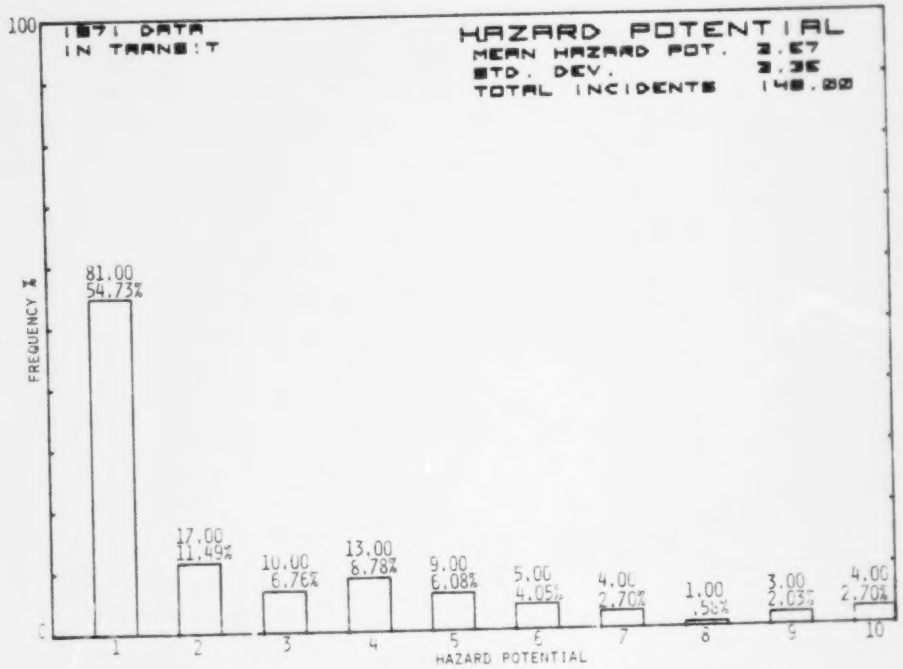

FIGURE C-19 1971 IN TPANSIT SPILLS BY HAZARD POTENTIAL

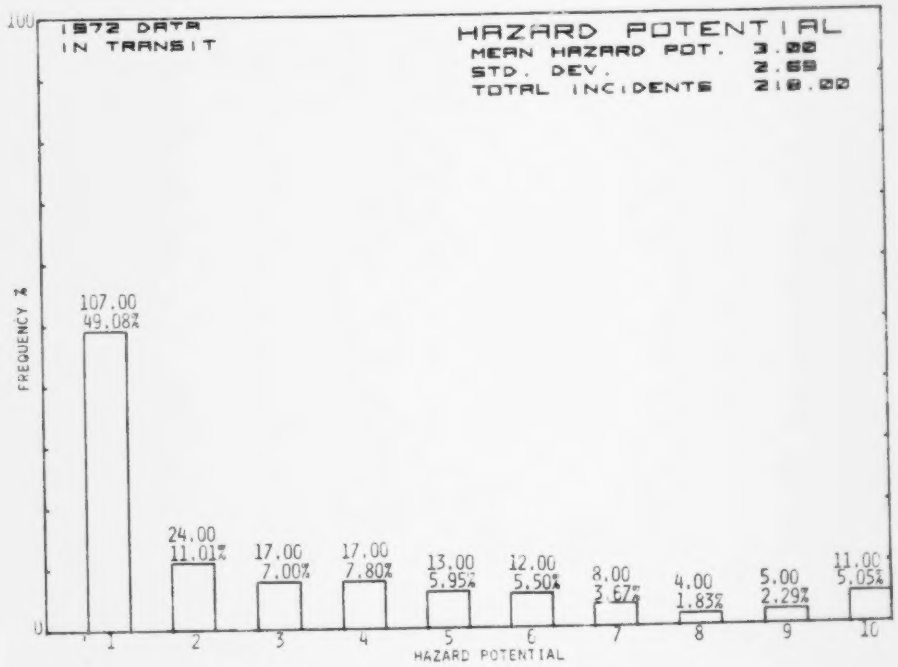

FIGURE C-20 1972 IN TRANSIT SPILLS BY HAZARD POTENTIAL

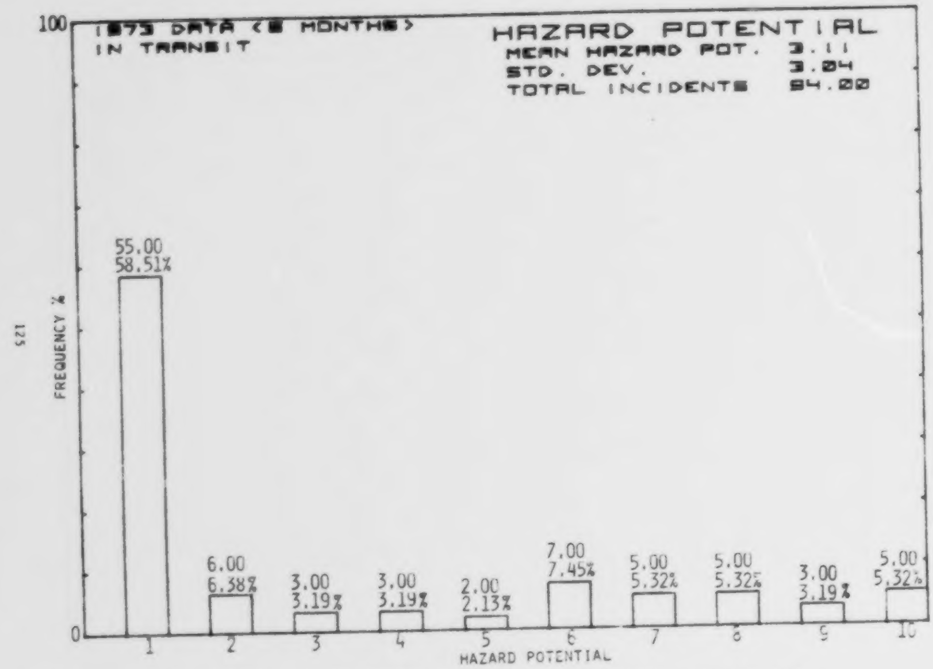

FIGURE C-21 1973 IN TRANSIT SPILLS BY HAZARD POTENTIAL (6 MONTHS)

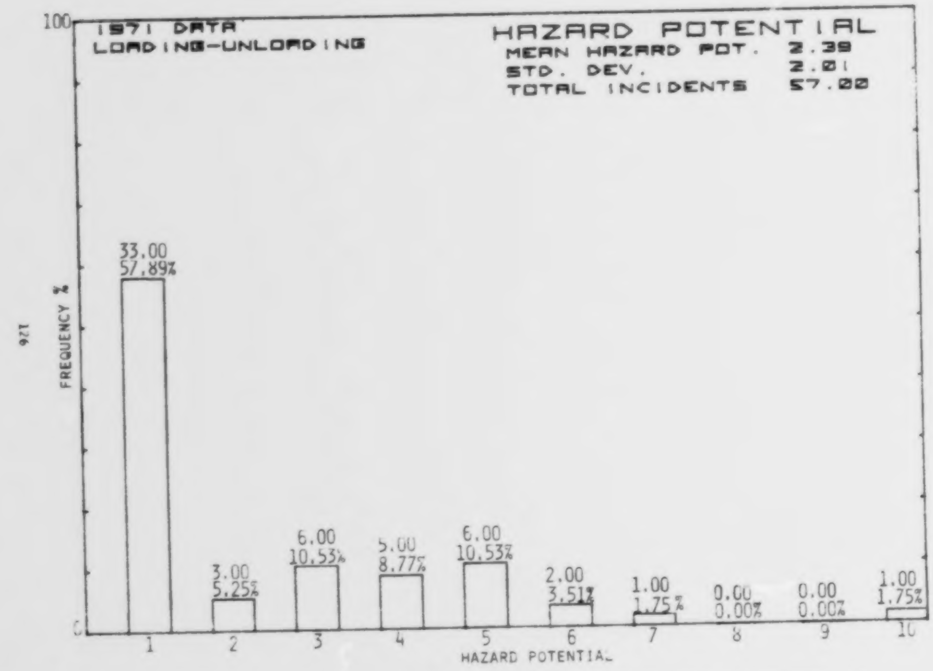

FIGURE C-22 1971 LOADING-UNLOADING SPILLS BY HAZARD POTENTIAL

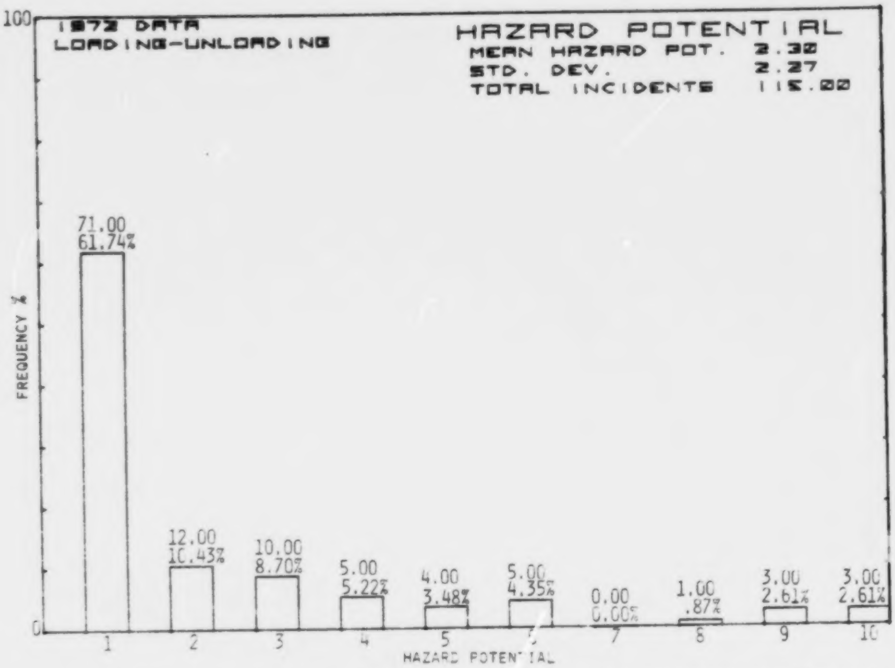

FIGURE C-23 1972 LOADING-UNLOADING SPILLS BY HAZARD POTENTIAL

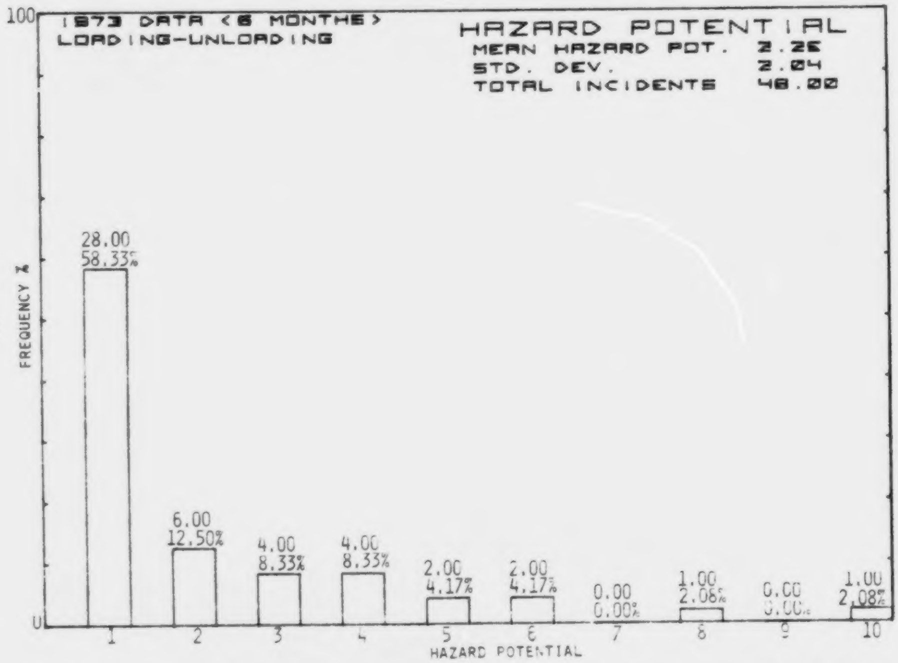

FIGURE C-24 1973 LOADING- UNLOADING SPILLS BY HAZARD POTENTIAL
(6 MONTHS)

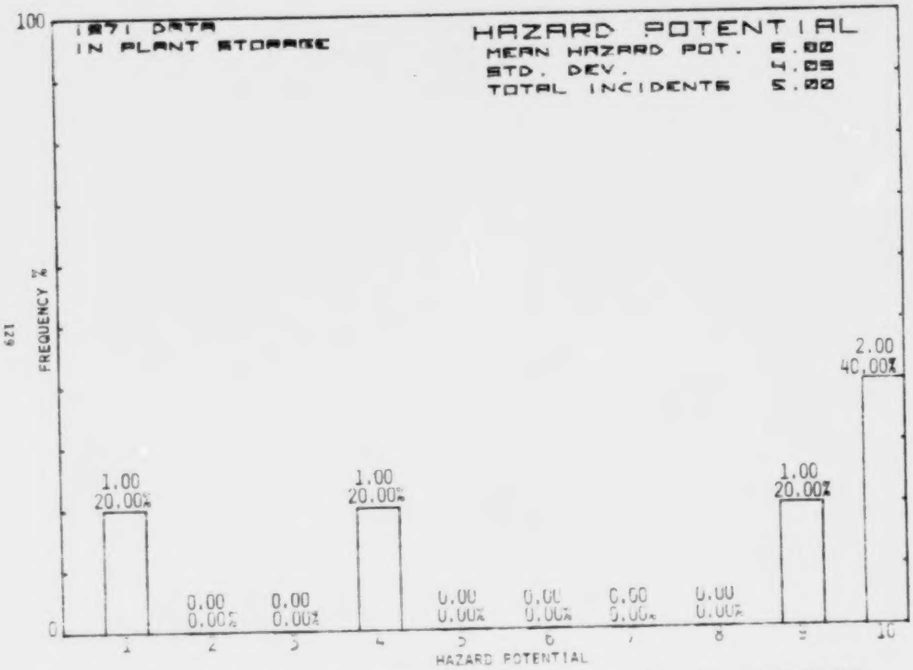

FIGURE C-25 1971 IN PLANT STORAGE SPILLS BY HAZARD POTENTIAL

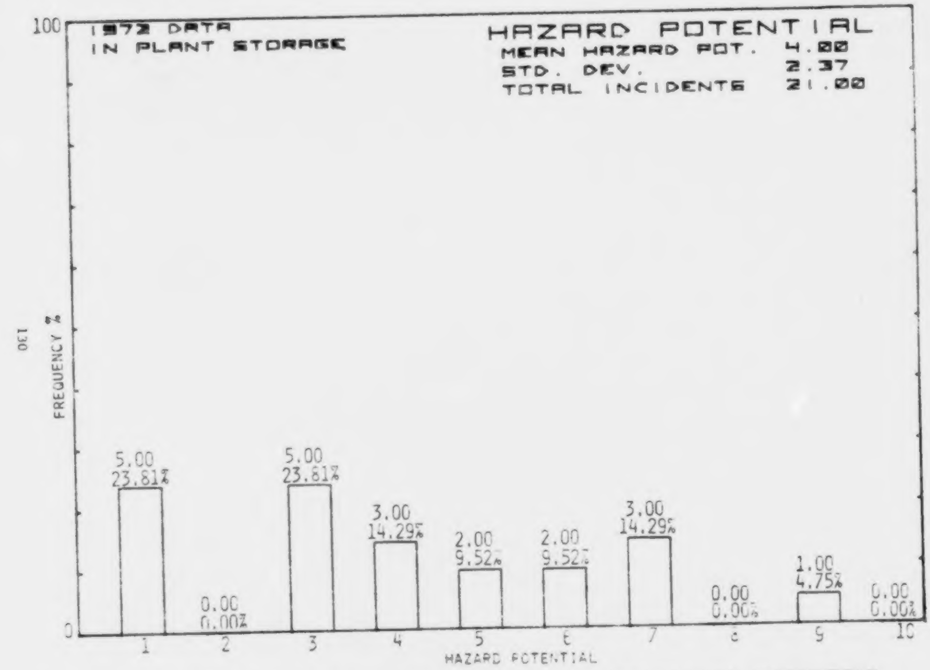

FIGURE C-26 1972 IN PLANT STORAGE SPILLS BY HAZARD POTENTIAL

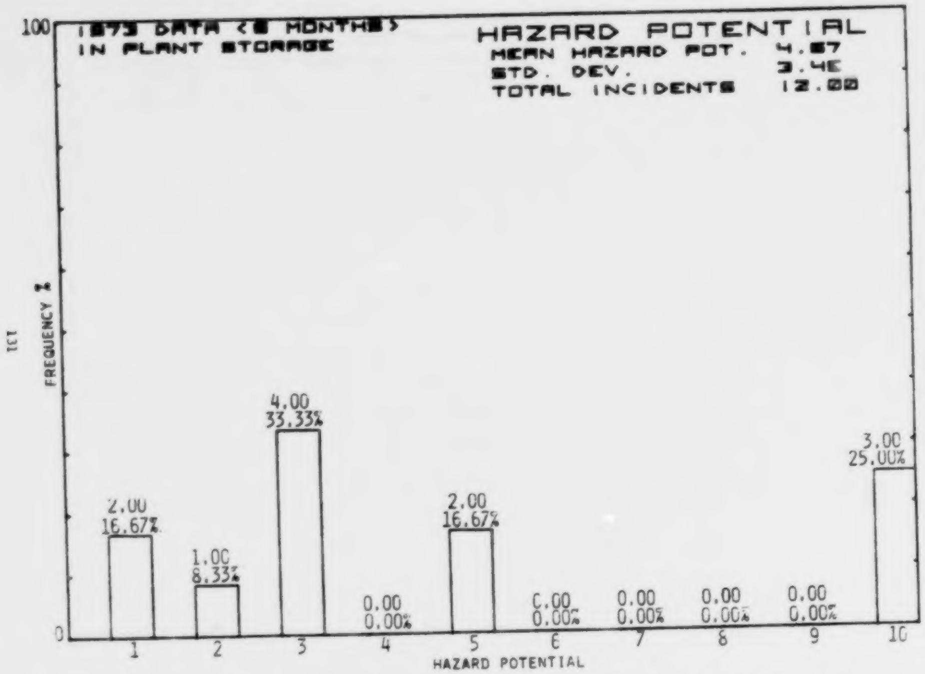

FIGURE C-27 1973 IN PLANT STORAGE SPILLS BY HAZARD POTENTIAL
(6 MONTHS)

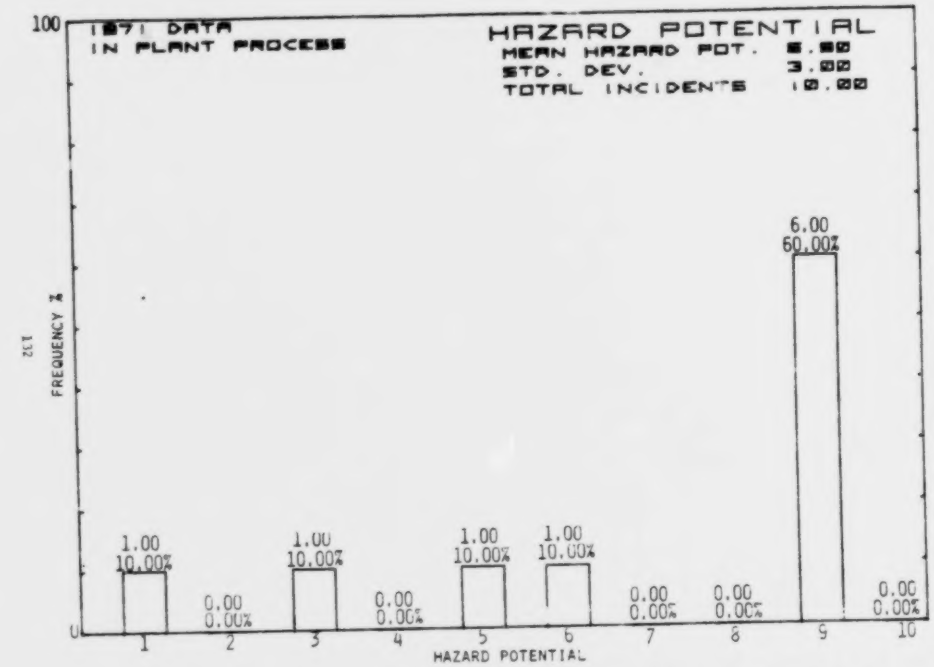

FIGURE C-28 1971 IN PLANT PROCESS SPILLS BY HAZARD POTENTIAL

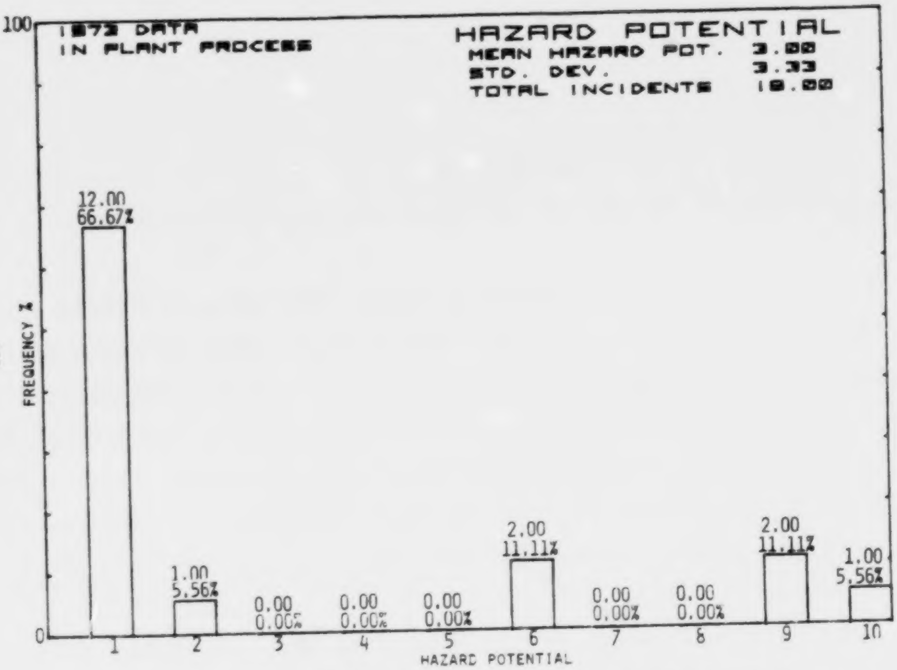

FIGURE C-29 1972 IN PLANT PROCESS SPILLS BY HAZARD POTENTIAL

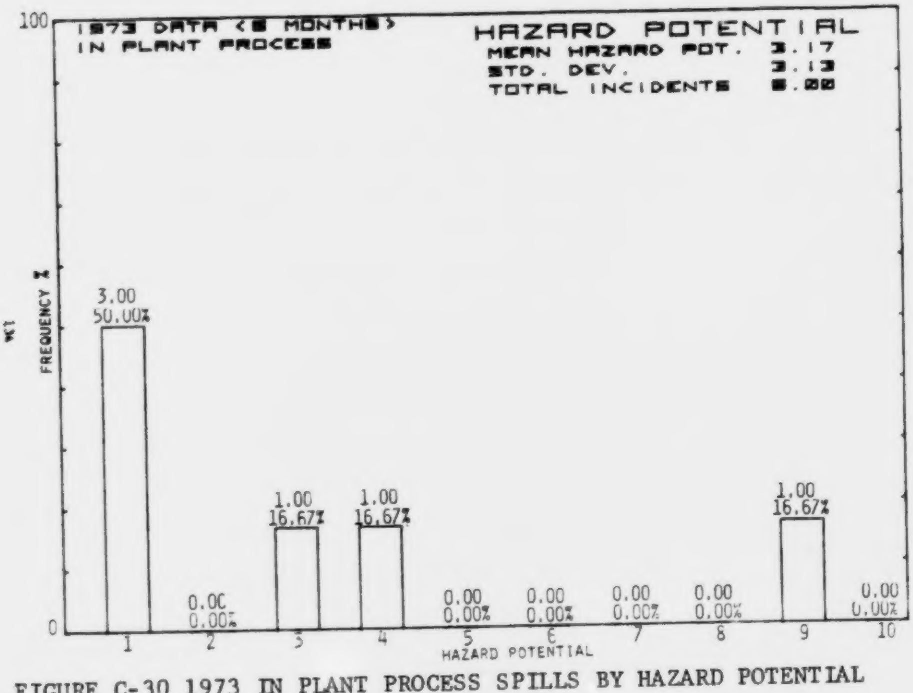

FIGURE C-30 1973 IN PLANT PROCESS SPILLS BY HAZARD POTENTIAL
(6 MONTHS)

APPENDIX D

CONSTRUCTION OF THE HAZARD POTENTIAL CATEGORIZATION TABLE

The Hazard Potential Categorization Table (HPC Table I) consists of columns corresponding to each relative hazard level (RHL) and rows corresponding to each hazard potential category (HPC). The numbers entered in the resulting matrix are spill quantities which are the upper boundary of the HPC (except for HPC 10 which includes everything above the upper bound of HPC 9). Calculation of these numbers is based on three factors:

1) A reference LD_{50} chosen for each RHL
2) A volume of water
3) Ranges of percentages of the reference LD_{50} (see Table B-1)

Table D-1. HAZARD POTENTIAL CATEGORY RANGES
IN TERMS OF REFERENCE LD_{50}

Hazard Potential Category (HPC)	Theoretical Spill Concentration (TSC) As Percentage of Reference LD_{50} (RLD)
1	TSC < 1% RLD
2	1% RLD $\leq$ TSC < 2.5% RLD
3	2.5% $\leq$ TSC < 5% RLD
4	5% RLD $\leq$ TSC < 10% RLD
5	10% RLD $\leq$ TSC < 20% RLD
6	20% RLD $\leq$ TSC < 50% RLD
7	50% RLD $\leq$ TSC < 100% RLD
8	100% RLD $\leq$ TSC < 200% RLD
9	200% RLD $\leq$ TSC < 500% RLD
10	TSC $\geq$ 500% RLD

In choosing the reference LD_{50}'s, the toxicity range of each RHL was considered. The reference LD_{50} used for RHL's 2-5 was one half the upper limit of their respective LD_{50} ranges (Section V, Table 1). The reference LD_{50} chosen for RHL 1 (which as no upper limit) was 7500 mg/kg, the average of the lower limits of LD_{50} ranges considered to be the lowest ingestion hazard by references.(5,6,7)

The volume of water chosen was approximately 103 million liters. The reason for this choice was that it was felt the volume of water should have some relation to actual waterways yet shouldn't be overwhelmingly large. The selected volume was reasonable in size and representative of one hour's flow at summer flow rates in a number of inland rivers used for transportation of hazardous materials.(7)

The ranges of percentages of reference LD_{50} in Table B-1 were made approximately according to the semi-log plot of percentages from 1 to 500 over HPC's 1 through 9, the origin designated HPC 1 (i.e. less than 1% of reference LD_{50} is HPC 1, more than 500% of reference LD_{50} is HPC 10).

To tie these three factors together, the concept of a theoretical spill concentration (TSC) was used. Whatever type of material is spilled, the quantity spilled forms a ratio with the chosen volume of fresh water in terms of mgs of pollutant to 1 kg or liter of water, the TSC that would be reached if the spilled material could be mixed fully in the fresh water. The TSC is related as a percentage to the reference LD_{50} pertaining to the material. If a spill were to result in a TSC of 1 mg of pollutant to 1 kg or liter of water (i.e. approximately a 100 liter spill) and if the reference LD_{50} were 50 mg/kg (i.e. the material has RHL 4) the TSC as a percent of reference LD_{50} would be $1 \div 50 = 2$ percent. By Table 1, that spill would fall in HPC 2.

Using the reference LD_{50}'s of the five RHL's, the chosen volume of water, and the percentages which divide the HPC categories, the quantities in the HPC Table were calculated as follows:

Ref. LD_{50} x Volume of Water x Percent Ref. LD_{50} = Quantity

Calculated quantities were founded off and entered into the table.

APPENDIX E

MOST FREQUENTLY REPORTED SPILLED MATERIAL (WITH SPILL SIZE DATA)

1968 - JUNE 1973*

	No. of Reports**	Spill Quantities(l or kg)		
		Total	Average***	Largest
Sulfuric Acid Spills, Oleum	106	2,700,000 l	30,000 l	1,100,000 l
Ammonium Nitrate Fertilizer	77	1,200,000 kg	16,000 kg	910,000 kg
Ind. Wastes, Chemicals	64	7,600,000,000 l	330,000,000 l	7,600,000,000 l
Organic Phosphates & Phosphate Compounds****	52	1,700 l	34 l	320 l
Insecticide (unspecified)	49	870 l	20 l	300 l
Caustic Soda, Sodium Hydroxide	47	610,000 l	15,000 l	190,000 l
Hydrochloric Acid, Muriatic Acid	44	560,000 l	13,000 l	360,000 l
Weed Killing Compound	34	1,400 l	45 l	150 l
Ethyl Parathion, Parathion Liquid	26	16,000 l	620 l	14,000 l
Phenol, Carbolic Acid	24	290,000 l	15,000 l	87,000 l
Anhydrous Ammonia	20	2,000,000 l	150,000 l	1,000,000 l
Methyl Parathion	20	460 l	26 l	210 l
Toluene, Toluol	19	360,000 l	24,000 l	38,000 l
Dinitro Phenol	18	560 l	33 l	340 l
Nitric Acid	17	260,000 l	18,000 l	140,000 l
Alcohol, Methyl; Methanol	17	700,000 l	44,000 l	270,000 l
Xylene, Xylol	15	710,000 l	64,000 l	560,000 l
Ink	14	47,000 l	3,300 l	22,000 l
Paint, Wood Stain	14	27,000 l	3,400 l	7,100 l
Methyl Ethyl Ketone	12	64,000 l	7,100 l	23,000 l
Sodium Arsenite	12	280 l	23 l	76 l
Sodium Hydrosulfite	11	76,000 l	7,600 l	64,000 l

Fifty-seven spills are multiple, i.e. involved more than one material.

* Only 76 reports were documented for years prior to 1971.

** Some duplicate reports are included in the total, generally less than 10%. Duplication was eliminated in calculating other statistics.

*** Average for spills in which quantity was known.

**** Fort Meade, Fla., spill of phosphate from lagoon is included in industrial wastes. This 7,600,000,000-l spill was waste and less toxic than organic phosphate materials.

APPENDIX F HAZARDOUS MATERIAL SPILLS IN CHRONOLOGICAL ORDER

	DATE	LOCATION	MATERIAL	CLASS	QUANITY	INJURIES	FATALITIES	HAZARD	DMG$	PRIMARY CAUSE	2ND CAUSE	3RD CAUSE	4TH CAUSE	CONTAINER	M	OP EA QR UE PA	SOURCE
1.	1/ 1/68	DUREITH , IN	ACETONE	FL	0E0L	5	0	99	0E0	RP-TK	DRLMENT			TK CR RR	0	02	9
2.	3/30/68	PACIFIC ,	WASTE-PICKL	CL	0E0U	0	0	99	0E9	OVRFW	INTNL REL	NMRL OP		BARGE BK	0	02	6
3.	7/27/68	GUADALUP,CA	SODIUM-CHRM	BP	0E0U	0	0	0	0E9	OTHER	UNKNOWN				0	06	6
4.	11/19/68	SANDIAGO,CA	MOLASSES	UN	0E0U	0	0	99	0E9	OVRFW	INTNL REL	NMRL OP			0	00	6
5.	12/20/68	PT ALBNY,NY	MOLASSES	UN	76E5L	0	1	99	0E0	RP-TK	CONTR FLRE	DFCTV WELD		CKG/MX T	0	03	9
6.	1/16/69	HAEHL-CR,CA	PAINT	FL	0E0U	0	0	99	0E9	OTHER	UNKNOWN				0	06	6
7.	2/18/69	CRETE ,NB	ANH-AMMONIA	UN	0E0U	5	0	99	0E0	RP-TK	DRLMENT			TK CR RR	03	02	9
8.	3/13/69	NAPA ,CA	HERBICIDE	BP	38E3L	0	0	6	0E9	OVRFW	OPN VALVE			STO TANK	1	03	6
9.	3/13/69	NAPA ,CA	MULTIPLE	BP	76E3L	0	0	6	0E9	OVRFW	OPN VALVE	INTNL REL	VANDALISM	STO TANK	2	03	6
10.	3/13/69	NAPA ,CA	GAS-DIESEL	FL	38E3L	0	0	6	0E9	OVRFW	OPN VALVE			STO TANK	1	03	6
11.	3/27/69	RICHMOND,CA	INDUS-WASTE	UN	0E0U	0	0	99	0E9	OVRFW	INTNL REL	PRNSLL ERR			0	04	6
12.	8/ 5/69	OKLAND ,CA	MOLASSES	UN	24E3K	0	0	99	0E9	RP-TK	UNKNOWN	UNKNOWN		TK TRLR	0	02	6
13.	8/ 7/69	SOLOMON ,KA	ANH-AMMONIA	UN	15E4L	0	0	9	25E0	OVRFW	RPTRD PIPE	STRK BY V		PIPES	0	02	7
14.	8/ 8/69	SAN-CARL,CA	INDUS-WASTE	UN	0E0U	0	0	99	0E9	OVRFW	PRNSLL ERR	UNKNOWN			0	00	6
15.	8/11/69	SAN-FRIS,CA	MOLASSES	UN	0E0U	0	0	99	0E9	OVRFW	UNKNOWN	PRNSLL ERR		SHIP	0	00	6
16.	9/ 0/69	JACKSON ,MI	INDUS-CHEM	UN	19E2L	0	0	99	0E0	OVRFW	INTNL REL	PRNSLL ERR		STO TANK	0	03	11
17.	9/ 7/69	FARNSWTH,TX	ANH-AMMONIA	UN	16E4L	0	0	10	75E0	OVRFW	RPTRD PIPE	STRK BY V		PIPES	0	02	7
18.	9/11/69	GLENDORA,MS	VINYL-CHLOR	FL	0E0L	1	0	99	0E0	RP-TK	DRLMENT			TK CR RR	0	02	9
19.	10/15/69	RICHMOND,CA	CHROMIC-ACI	BP	0E0U	0	0	99	0E9	OTHER	MECH FAIL				0	04	6
20.	12/ 3/69	TALLABOA,PR	RAFFINATE	UN	76E1L	0	0	99	0E0	OVRFW	OPN VALVE	PRNSLL ERR		PIPES	0	04	3
21.	12/23/69	W-PHILAD,PA	TRICHLORETH	BP	4E0L	0	0	1	0E9	OVRFW	CNTRL INOP				0	C4	3
22.	12/30/69	TOLEDO ,OH	MULTIPLE	FL	30E1L	0	0	1	20E0	TS FL	HSE,CPL FA	DRLM&OVRTN	RDWY CONDS	BK CR RR	24	22	3
23.	12/30/69	TOLEDO ,OH	DIESEL-FUEL	FL	3CE1L	0	0	1	10E0	TS FL	HSE,CPL FA	DRLM&OVRTN	RDWY CONDS	BK CR RR	1	C2	3
24.	12/30/69	TOLEDO ,OH	HOTSLAG	UN	0E0U	0	0	1	10E0	TS FL	HSE,CPL FA	DRLM&OVRTN	RDWY CONDS	BK CR RR	1	02	3
25.	0/ 0/70	COMMERCE,CA	FATTY ACIDS	UN	76E2L	0	0	3	0E0	OVRFW	CHMCAL RE	IMPR EQ OP	PRNSLL ERR	CKG/MX T	0	04	3
26.	1/ 1/70	PARK-FOS,IL	RESIN-SOLUT	FL	0E0U	0	0	99	0E9	OVRFW	UNKNOWN	FIRE		STL DRUM	0	04	3
27.	1/21/70	DAVENPRT,IA	PAINT	FL	0E0L	0	0	99	0E9	OTHER	SPCN COMB	SPKLRS DSC			0	04	3
28.	2/18/70	DEER PRK,TX	MULTIPLE	CL	37E4K	0	0	8	0E0	RP-TK	SHRP OBJ	EXPLOSION	CHMCAL RE	STO TANK	2	03	3
29.	2/18/70	DEER PRK,TX	CAUS-SODA	CL	18E4K	0	0	8	0E0	RP-TK	SHRP OBJ	EXPLOSION	CHMCAL RE	STO TANK	1	03	3
30.	2/18/70	DEER PRK,TX	SALT	UN	19E4K	0	0	8	0E0	RP-TK	SHRP OBJ	EXPLOSION	CHMCAL RE	STO TANK	1	03	3
31.	2/23/70	ALBERTA ,VA	INDUS-WASTE	UN	18E3K	0	0	99	0E9	RP-TK	DRLMENT			TK CR RR	0	02	6
32.	2/25/70	BERLIN ,WI	MOLTEN-METL	UN	0E0U	0	0	99	0E9	OVRFW	MECH FAIL	BODY FLRE			0	04	3
33.	3/ 6/70	BORON ,CA	BORAX	UN	0E0U	0	0	99	0E0	RP-NT	CONTR FLRE	MTRL DFCT		CKG/MX T	0	04	3
34.	3/24/70	PT HURON,MI	BRASS MOLTEN	UN	0E0U	0	0	99	0E0	RP-NT	CONTR FLRE				0	C4	3
35.	3/24/70	FOSTORIA,OH	QUENCH OIL	FL	0E0U	0	0	99	0E0	OVRFW	MECH FAIL			DIP TANK	0	04	3
36.	3/25/70	PHILADEL,PA	PAINT	FL	21E1L	0	0	99	0E0	TS FL	RPTRD PIPE			PIPES	0	04	3
37.	3/29/70	WARREN ,MI	QUENCH OIL	FL	15E2L	0	0	99	0E0	OVRFW	MECH FAIL	FIRE		DIP TANK	0	04	3
38.	4/28/70	JOPLIN ,MO	QUENCH OIL	FL	0E0U	0	0	99	0E0	OVRFW	CHMCAL RE	SPKLRS DSC	FIRE	DIP TANK	0	04	3
39.	5/ 1/70	CL CREEK,WV	AMM-NITRATE	OX	0E0U	0	0	99	0E0	RP-NT	FIRE			TK TRLR	0	02	3
40.	5/ 4/70	MARKSVLF,VA	ANH-AMMONIA	UN	0E0U	0	0	99	10E2	OVRFW	VALVE BKN			PIPES	0	02	7

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41. 5/15/70 RACINE | ,WI HYDRAUL-OIL  UN   0E0U  0  0 99  0E9 OVRFW HSE,CPL FA                                     0 04 3
42. 5/26/70 HARVEY   ,LA MULTIPLE     UN  42E4L  0  0 99  0E0 RP-TK EXPLOSION  EXCESS TMP FIRE          STO TANK 2 03 3
43. 5/26/70 HARVEY   ,LA ASPHALT      UN  38E4L  0  0 99  0E0 RP-TK EXPLOSION  EXCESS TMP FIRE          STO TANK 1 03 3
44. 5/26/70 HARVEY   ,LA CHEMICALS    UN   4E7L  0  0 99  0E0 RP-TK EXPLOSION  EXCESS TMP FIRE          STO TANK 1 03 3
45. 5/30/70 CNCNNATI,OH FATTY ACIDS   FL  76E1L  0  0 99  0E0 OVRFW CHMCAL RE                           STO TANK 0 04 3
46. 6/ 9/70 CHICOPEE,MA SULFURIC-AC   CL   0E0U  0  0 99  0E9 OVRFW SPKLRS DSC FIRE                     IND MACH 0 04 3
47. 6/12/70 SANFNAND,CA RESIN-ACRYL   FL  21E1L  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT  PRNSLL ERR  STL DRUM 0 04 2
48. 7/ 9/70 LONG-ISL,NY ALC-ISOPROP   FL   0E0U  0  0 99  0E9 OVRFW DROPPED    PRNSLL ERR                        0 04 3
49. 7/15/70 DETROIT  ,MI MOLTEN-METL  UN  91E3K  0  0 99  0E9 OVRFW NMRL OP    MECH FAIL                         0 04 3
50. 7/19/70 CNCNNATI,OH DOW-THERM     BP   0E0U  0  0 99  0E0 CNRFR OVRPRES    EXCESS TMP               BOILER   0 04 3
51. 7/24/70 SAUNDERS,NB ANH-AMMONIA   UN  76E0L  2  0  1  0E9 OVRFW PRNSLL ERR                          PIPES    0 02 7
52. 8/13/70 ERIE     ,PA ASPHALT      UN  13E3L  0  0 99  0E0 OVRFW CHMCAL RE  SPKLRS DSC FIRE          CKG/MX T 0 04 3
53. 8/26/70 HASTINGS,MI METH-ETY1-K   FL  55E0L  2  0  1  0E0 TS FL HSE,CPL FA MTRL DFCT                IND MACH 0 04 3
54. 9/11/70 OWNSBORO,KY ASPHALT       UN  13E3L  0  0 99  0E0 OVRFW EXCESS TMP GAU MS/DFC PRNSLL ERR  CKG/MX T 0 04 3
55. 9/17/70 BROOKLYN,NY HYDRAUL-OIL   UN  11E1L  0  0 99  0E9 TS FL HSE,CPL FA                                   0 04 3
56. 9/18/70 DETROIT  ,MI QUENCH OIL   FL   0E0U  0  0 99  0E0 OVRFW GAU MS/DFC                          DIP TANK 0 04 3
57. 9/30/70 NEWARK   ,NJ QUENCH OIL   FL   0E0U  0  0 99  0E0 OVRFW SPKLRS DSC FIRE                     CKG/MX T 0 04 3
58. 9/30/70 NEWARK   ,NJ QUENCH OIL   FL   0E0U  0  0 99  0E0 OVRFW FORGN SUBS                          DIP TANK 0 04 3
59. 9/30/70 NEWARK   ,NJ QUENCH OIL   FL   0E0U  0  0 99  0E0 OVRFW CHMCAL RE  FORGN SUBS               CKG/MX T 0254 3
60.10/ 2/70 GLEN FAL,NY SULFUR-MOLT   CL   0E0U  0  0 99  0E0 OVRFW MECH FAIL                           PIPES    0 04 3
61.10/ 3/70 PLATTE-C,MO ANH-AMMONIA   UN  10E5L  0  0 10  0E9 OVRFW RPTRD PIPE STRK BY V                PIPES    0 02 7
62.10/13/70 APPLETON,WI MULTIPLE      CL   0E0U  0  0 99  0E0 OVRFW CHMCAL RE  FORGN SUBS               CKG/MX·T 2 04 3
63.10/13/70 CHICAGO ,IL FATTY-ASIDS   UN  19E0L  0  0  1  0E9 OVRFW EXCESS TMP CNTRL INOP               STL PAIL 0 04 3
64.10/13/70 APPLETON,WI SODIUM HYDX   CL   0E0U  0  0 99  0E0 OVRFW CHMCAL RE  FORGN SUBS               CKG/MX T 1 04 3
65.10/13/70 APPLETON,WI ALUMINUM PD   FS   0E0U  0  0 99  0E0 OVRFW CHMCAL RE  FORGN SUBS               CKG/MX T 1 04 3
66.10/26/70         ,OH PENTACHLORO   BP  29E3L  0  0 10 20E3 RP-TK MTRL DFCT  LKG CVR                  STO TANK 0 03 1
67.10/27/70         ,OH PENTACHLORO   BP  76E1L  0  0  5 20E3 OTHER INTNL REL  PRNSLL ERR               PRTBL TK 0 03 1
68.10/29/70         ,OH PENTACHLORO   BP  15E2L  0  0  6 20E3 TS FL HSE,CPL FA OVRPRES                  STO TANK 0 03 1
69.11/16/70 WINDSOR ,CT MULTIPLE      UN   0E0   0  0 99  0E9 OVRFW EXPLOSION  FORGN SUBS                        2 04 3
70.11/16/70 WINDSOR ,CT HYDRAUL-OIL   UN   0E0   0  0 99  0E9 TS FL HSE,CPL FA                                   0 04 3
71.11/16/70 WINDSOR ,CT MOLTON-METL   UN   0E0   0  0 99  0E9 OVRFW EXPLOSION  FORGN SUBS                        1 04 3
72.11/16/70 WINDSOR ,CT HYDRAUL-OI    UN   0E0   0  0 99  0E9 TS FL HSE,CPL FA                                   1 04 3
73.11/26/70 FRANKLIN,IL SULFURIC-AC   CL   0E0U  0  0 99  0E0 OTHER FIRE                                STO TANK 0 03 3
74.12/ 4/70 BR-COLUM,    WOOD-PULP    UN  27E2L  0  0 99  0E9 TS FL RPTRD PIPE OVRPRES                  PIPES    0 04 3
75.12/17/70  NORFOLK,VA NAPTHA        FL  57E1L  0  0  2 38E3 OTHER INTNL REL  NMRL OP                  BARGE TK 0 01 3
76.12/31/70 CHA   STN,SC REGAL PLR O  UN   0E0U  0  0 99  0E0 RP-TK RPTRD PIPE MECH FAIL                PIPES    0 04 3
77. 1/ 4/71 VERN     ,CA SOD CHLORIDE UN   0E0U  0  0  9  0E0 RP-TK CONTR FLRE MTRL DFCT                DIP TANK 0 04 3
78. 1/ 5/71 VERNON   ,CA ASPHALT      UN  12E3L  0  0 99  0E0 OVRFW FORGN SUBS SPKLRS DSC FIRE          CKG/MX T 0 04 3
79. 1/ 8/71 NEW-CAMB,MO ANH-AMMONIA   UN  11E4L  0  0  9 50E4 RP-TK DRLMENT                             TK CR RR 0 02 1
80. 1/10/71 AURORA   ,NB ANH-AMMONIA  UN  16E2L  1  0  3  0E9 OVRFW HSE,CPL FA PRNSLL ERR               PIPES    0 02 7
81. 1/11/71 BERKLEY ,CA SULFURIC-AC   CL   0E0U  0  0 99  0E9 OVRFW HSE,CPL FA UNKNOWN                  PIPES    0 02 6
82. 1/13/71 CHESTER ,WV ASPHALT       UN  15E3L  0  0 99  0E0 OVRFW FORGN SUBS SPKLRS DSC FIRE          CKG/MX T 0 04 3
83. 1/14/71 GLOBE    ,AZ SULFURIC-AC  CL  21E3K  1  0  4 13E3 RP-TK OVRTURN    BRAKE FLRE               TK TRLR  0 01 1
84. 1/14/71 ESTUARY ,CA INDUS-WASTE   UN   0E0U  0  0 99  0E9 OVRFW UNKNOWN                                      0 00 6
85. 1/15/71 HAYWARD ,CA FOOD-WASTES   UN  23E2L  0  0 99  0E9 OTHER UNKNOWN                                      0 00 6
86. 1/18/71 PHILADEL,PA METH-ETYL-K   FL  68E2L  0  0  3 21E2 TS FL CONTR FLRE COLLSN     PRNSLL ERR  PIPES    0 01 1
87. 1/18/71 COLUMBUS,OH ANILINE-OIL   BP  15E3L  0  0  6 38E2 RP-TK BODY FLRE  UNKNOWN                  TK CR RR 0 02 1
88. 1/19/71 DEMOPOLS,AL CARBOLIC-AC   BP  62E1L  0  0  5 50E0 RP-TK OPN VALVE  PRNSLL ERR               TK TRLR  0 51 1
89. 1/21/71 JOLIET  ,IL TOLUENE       FL  38E3L  0  0 10 10E3 RP-TK BODY FLRE  COLLSN                   TK CR RR 0 02 1
90. 1/29/71 WESTFILD,MA TOLUENE       FL  79E1L  0  0  5 27E1 TS FL HSE,CPL FA                          TK TRLR  0 41 1
91. 1/29/71 TECUEMSH,IN ANH-AMMONIA   UN  48E4L  0  0 10  0E9 OVRFW RPTRD PIPE STRK BY V                PIPES    0 02 7
92. 1/31/71 FAIRFILD,AL BENZENE       FL  19E2L  0  0  1  0E9 RP-TK DRLMENT    UNKNOWN                  TK CR RR 0 02 1
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 93. 2/ 1/71 SAN-FRIS,CA WEED-KILLER   BP 48E1L  0  0 99  0E9 OVRFW UNKNOWN                                              0 00 6
 94. 2/ 1/71 MILLIS   ,MA MURIATIC-AC  CL 57E0L  0  0  1 20E0 RP-NT BODY FLRE                                DELDRUM   0 02 1
 95. 2/ 3/71 LOS-ANGL,CA FORMIC-ACID   CL   0E0  0  0 99 18E0 RP-NT UNKNOWN                                  STL DRUM  0 02 1
 96. 2/ 3/71 VLLA PRK,IL XYLENE        FL  0E0U  0  0  9  0E0 RP-NT CONTR FLRE FIRE                          STL PAIL  0 04 3
 97. 2/ 4/71 SIBLEY   ,IA CLEANG-COMP  UN 11E3L  0  0 99  0E9 RP-TK OVRTURN    JACKNIFE    RDWY CONDS    TK TRLR   0 02 1
 98. 2/ 5/71 MOBILE   ,AL ISOPROPY-LA  FL 19E1L  0  0  1 20E0 RP-TK LSE CP,CVR                               TK CR RR  0 02 1
 99. 2/ 5/71 PLAINVIW,TX ANH-AMMONIA   UN 78E2L  1  0  5 70E2 RP-TK SHRP OBJ   OVRTURN                       TK TRLR   0 02 1
100. 2/ 5/71 MASON-CI,IA ANH-AMMONIA   UN 21E1L  0  0  1  0E9 OVRFW OPN VALVE  PRNSLL ERR                    TK CR RR  0 01 1
101. 2/ 7/71 UMLI     ,OR ALCOHOL-UNS  FL 15E3L  0  0  4 14E3 RP-TK LKG CVR    DRLMENT                       TK TRLR   0 02 1
102. 2/10/71 CHICAGO  ,IL MULTIPLE     FL 27E4L  0  0  8 20E3 RP-TK CONTR FLRE DRLMENT                       TK CR RR  2 02 1
103. 2/10/71 ATLANTA  ,GA SODIUM-METH  FS 23E0K  0  0  1  0E9 RP-NT FORKLIFT                                 STL DRUM  0 51 1
104. 2/10/71 CHICAGO  ,IL VINYL-CHLOR  FL 27E4L  0  0  8 20E3 RP-TK CONTR FLRE DRLMENT                       TK CR RR  1 02 1
105. 2/10/71 CHICAGO  ,IL ALC-METHYL   FL 27E4L  0  0  8 20E3 RP-TK CONTR FLRE DRLMENT                       TK CR RP  1 02 1
106. 2/10/71 SAN-FRIS,CA CHEM-NOI      UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                            0 00 6
107. 2/11/71 SACRMENT,CA LEAD-ARSENA   BP   1E0K  0  0  1  0E9 RP-NT SHRP OBJ   IMP LDG                       PA BAG    0 02 1
108. 2/11/71 MARION   ,IL DIETH-SULFA  CL 15E3L  0  0  6  0E9 OTHER UNKNOWN                                  TK TRLR   0 00 2
109. 2/12/71 LAUREL   ,MD SULFURIC-AC  CL 15E0L  0  0  1  0E9 RP-NT DROPPED                                  PBTL/CTN  0 01 1
110. 2/15/71 BEAUMONT,TX LEAD-ARSENA   BP  1E0U  0  0 99  0E9 RP-NT IMP LDG                                  FBRE BOX  0 02 1
111. 2/15/71 MOBILE   ,AL DI-ISO-BUTL  FL 76E0L  0  0  1 20E0 RP-TK LKG CVR                                  TK CR RR  0 02 1
112. 2/17/71 CHESTER  ,PA SODIUM-CLAT  OX 18E1K  0  0  1 42E0 RP-NT IMPR HNDLG                               STL DRUM  0 02 1
113. 2/18/71 ETNA     ,PA PHOS-OXYCHL  CL 38E1L  2  0  1  0E9 RP-NT MTRL DFCT                                STL DRUM  0 02 1
114. 2/19/71 WATRBURY,CN SOD NITRATE   OX  0E0U  0  0  9  0E0 CNRFR EXPLOSION  MECH FAIL                     DIP TANK  0 04 3
115. 2/20/71 BOISE    ,ID ARS-TRICHLO  BP 23E0L  0  0  1 80E0 RP-NT MTRL DFCT                                STL PAIL  0 02 1
116. 2/22/71 WATERVIL,OH HYDRAUL-OIL   UN 38E1L  0  0 99  0E9 TS FL HSE,CPL FA MECH FAIL                               0 04 3
117. 2/22/71          ,MD SULFUR-MOLT  CL 90E4K  0  0  8  0E9 RP-TK BODY FLRE  UNKNOWN                       STO TANK  0 03 5
118. 2/23/71 ATLANTA  ,GA ORGAN-PHOSP  BP   9E0K  0  0  1 30E1 RP-NT CONTR FLRE IMP LDG                      PA BAG    0 82 1
119. 2/23/71 DALLAS   ,TX HYDROCHLORI  CL 13E3L  0  0  6 55E1 TS FL                                          TK CR RR  0 01 1
120. 2/24/71 OAKLAND  ,CA ARS-MIXTURE  BP 11E1K  0  0  2 12E1 RP-NT SHRP OBJ   IMP LDG                       PA BAG    0 02 1
121. 2/25/71 KANS-CTY,KA ORGAN-PHOSP   BP   3E0K  0  0  1 18E0 RP-NT SHRP OBJ                                 PA BAG    0 02 1
122. 2/25/71 HASTINGS,NB ORGAN-PHOSP   BP 11E1K  0  0  2 90E0 RP-NT SHRP OBJ                                 PA BAG    0 02 1
123. 2/25/71 LUBBOCK  ,TX COOKING OIL  UN  0E0U  0  0 99  0E0 OVRFW MTRL DFCT                                CKG/MX T  0 04 3
124. 2/26/71 FT-WORTH,TX METH-ETYL-K   FL 38E1L  0  0  1 10E1 RP-TK LKG CVR    DRLM&CVRTN PRNSLL ERR        TK CR RR  0 00 1
125. 2/28/71 PRVDENCE,RI NITRIC-ACID   CL  0E0U  0  0  9  0E0 OTHER UNKNOWN                                  DIP TANK  0 04 3
126. 3/ 1/71 BDFRD HG,OH QUENCH OIL    FL 57E2L  0  0  9  0E0 RP-NT CONTR FLRE EXPLOSION                     STO TANK  0 04 3
127. 3/ 2/71 ATLANTA  ,GA ISOPROPY-LA  FL 76E0L  0  0  1 20E1 RP-TK LSE CP,CVR                                         0 02 1
128. 3/ 2/71 KLAMATHF,OR ORGAN-PHOSP   BP 32E1K  0  0  4 20E1 RP-NT CONTR FLRE WET PACKNG PRNSLL ERR         PA BAG    0 02 1
129. 3/ 2/71         ,    DINITRO-PHE  BP  1E0L  0  0  1  0E9 RP-NT MTRL DFCT                                STL DRUM  0 01 1
130. 3/ 3/71 HAZEN    ,AR ALC-ISOPROP  FL 12E3L  0  0  2 25E3 RP-TK SHRP OBJ   COLLSN      RDWY CONDS        TK TRLR   0 02 1
131. 3/ 4/71 CHARLOTT,NC SODIUM-HYDO   FS 16E2K  0  0  3 12E2 RP-NT BODY FLRE  IMP LDG                       STL DRUM  0 02 1
132. 3/ 4/71 MARLY-CR,MD VEG-FISH-OI   UN 19E1L  0  0 99  0E9 OVRFW GAU MS/DFC                               STO TANK  0 05 5
133. 3/ 4/71 TENNILE  ,GA SULFURIC-AC  CL 13E2K  0  0  1 15E0 RP-TK MTRL DFCT                                TK CR RR  0 02 1
134. 3/ 4/71 COLUMBUS,GA SULFURIC-AC   CL 45E2L  0  0  2 60E1 RP-TK MTRL DFCT                                TK CR RR  0 02 1
135. 3/ 7/71 GRDNHTTN,OH STODDARD      FL 57E0L  0  0  1  0E0 OVRFW VALVE BKN  MECH FAIL                     STO TANK  0364 3
136. 3/ 9/71 WOBURN   ,MA TRICHLORETH  BP 11E0L  0  0  1  0E9 RP-NT UNKNOWN                                  STL DRUM  0 02 1
137. 3/10/71 OMAHA    ,NB DI-SYSTON    BP 17E0L  0  0  3  0E9 RP-NT MTRL DFCT                                STL PAIL  0 02 1
138. 3/10/71 YORKVILL,OH PHENOL-SULF   CM  0E0U  0  0 99  0E0 OTHER UNKNOWN                                            0 06 2
139. 3/10/71 POTOMACR,MD BLACK-LIQUO   UN  0E0U  0  0 99  0E0 OTHER UNKNOWN                                            0 04 5
140. 3/11/71 SPRINK T,PA MOLTEN BRASS  UN  0E0U  0  0 99  0E0 RP-NT CONTR FLRE MTRL DFCT                     IND MACH  0 04 3
141. 3/13/71 MECHANCS,PA CHEM-NOI      UN 70E1K  0  0 99 56E1 RP-NT IMP LDG                                  PLSTC BT  0 02 1
142. 3/14/71 JAKSNVIL,FL NITROBENZEN   BP 56E0L  0  0  5 50E0 RP-NT SHRP OBJ                                 STL DRUM  0 01 1
143. 3/15/71 BOISE    ,ID SODIUM-ARSI  BP  1E0L  0  0  1  0E9 RP-NT CONTR FLRE IMPR CNTNR                    STL DRUM  0 00 1
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144. 3/15/71 NEW-ORLN,LA ACROLEIN-IN  CL 21E1L 20  0  3  0E9 RP-NT CONTR FLRE DROPPED                          STL DRUM 0411 1
145. 3/17/71 SUNSET   ,LA AMM-NITRATE  OX 95E1K  0  0 99 28E0 RP-NT SHRP OBJ                                    PA BAG   0 02 1
146. 3/17/71 BETHLEHM,NY RESIN-SOLUT  FL   0ECU  0  0 99  0E9 RP-TK LKG CVR    EXPLOSION                       IND MACH 0 04 3
147. 3/18/71 DENVER   ,CO TELONE-CHLO  BP 19ECL  0  0  3  0E9 RP-NT SHRP OBJ   IMP LDG                                  0 02 1
148. 3/18/71 OPELOUSA,LA AMM-NITRATE  OX 11E3K  0  0 99 35E0 RP-NT SHRP OBJ                                    PA BAG   0 02 1
149. 3/19/71 PHOENIX  ,AZ PHOSDRIN     BP   1E0K  0  0  1  0E9 RP-NT CONTR FLRE                                          0 01 1
150. 3/19/71 BROAD-CR,MD CHEM-NOI     UN   0E0U  0  0 99  0E9 OTHER UNKNOWN    UNKNOWN                                  0 00 5
151. 3/22/71 TAMPA    ,FL ORGAN-PHOSP  BP   1E0L  0  0  1  0E9 RP-NT LSE CP,CVR DROPPED      PRVSLL ERR GLS BTLS 0 01 1
152. 3/22/71 THIBODUX,LA AMM-NITRATE  OX 13E2K  0  0 99 12E1 RP-NT SHRP OBJ                                    PA BAG   0 02 1
153. 3/23/71 HASTINGS,NB ORGAN-PHOSP  BP 23E0K  0  0  1 18E0 RP-NT CONTR FLRE UNKNOWN                          PA BAG   0 02 1
154. 3/23/71 INSTITUT,WV TOLUENE-DIS  CL 34E1K  0  0  4  0E9 OVRFW UNKNOWN                                     STO TANK 0 03 2
155. 3/23/71 RICHMOND,CA INDWST-ACID  UN   0ECU  0  0 99  0E9 OTHER UNKNOWN                                              0 00 6
156. 3/26/71 PORTLAND,S9 ORGAN-PHOSP  BP   0E0U  0  0 99  0E9 OTHER UNKNOWN                                     STL PAIL 0 02 1
157. 3/26/71 MONESSEN,PA VINYL-CHLOR  FL 10E2L  0  0  1  0E9 RP-TK VALVE BKN  DRLMENT                          TK CR RR 0 02 1
158. 3/26/71 HOUSTON  ,TX CAUS-SODA    CL 74E3K  2  0  5 10E2 RP-TK CONTR FLRE MTRL DFCT  OVRPRES             TK TRLR  0 01 1
159. 3/28/71 MRCUS HK,PA LAQUER       FL   0ECU  0  0  9  0E0 OVRFW EXPLOSION  FIRE                            DIP TANK 0 04 3
160. 3/30/71 COMERC-C,CO DINITRO-PHE  BP   1ECL  0  0  1 45E1 RP-NT UNKNOWN    IMP LDG                         STL PAIL 0 82 1
161. 3/30/71 SWEETWTR,TN LATEX        UN 64E2K  0  0 99 45E2 RP-TK EXPLOSION  OVRPRES                         STO TANK 0 03 3
162. 3/31/71 GLASSPRT,PA HYDRAUL-OIL  UN   0ECU  0  0 99  0E9 OVRFW HSE,CPL FA                                           0 04 3
163. 4/ 1/71 MOSES-LK,WA ORGAN-PHOSP  BP 94E0L  0  0  2  0E9 RP-NT SHRP OBJ                                    STL DRUM 0 82 1
164. 4/ 2/71 BILLINGS,MT DIELDRIN     BP   1E0K  0  0  1 10E1 RP-NT SHRP OBJ                                    PA BAG   0391 1
165. 4/ 4/71 KANSAS-C,KS PARATHION-L  BP   8ECL  0  0  2 30E1 RP-NT BODY FLRE                                   STL DRUM 0 02 1
166. 4/ 6/71 SAN-JOSE,CA PHOSDRIN     BP   4ECL  0  0  1 10E1 RP-NT MTRL DFCT  IMP LDG                         STL PAIL 0 02 1
167. 4/ 9/71 PHOENIX  ,AZ ORGAN-PHOSP  BP   1E0L  0  0  1  0E9 RP-NT DROPPED    CLS&OVRTN                       STL PAIL 0 01 1
168. 4/ 9/71 DALLAS   ,TX PHENOL       BP   1ECL  0  0  1 10E1 RP-NT DFCTV WELD                                  STL DRUM 0 02 1
169. 4/10/71 ST-LOUIS,MO INSECTICIDE  BP   0E0U  0  0 99 50E0 RP-NT SHRP OBJ   UNKNOWN                                  0 02 1
170. 4/10/71 HECTOR   ,MN ANH-AMMONIA  UN 40E3L  0  0  7 80E1 TS FL HSE,CPL FA                                    TK TRLR  0 01 1
171. 4/11/71 YORKTOWN,VA TOLUENE      FL   0E0U  0  0 99  0E9 TS FL UNKNOWN                                               0411 2
172. 4/12/71 STERLING,IL MULTIPLE     UN   0ECU  0  0 99  0E9 OVRFW MECH FAIL                                             2 04 3
173. 4/12/71 STERLING,IL MOLTEN-METL  UN   0E0U  0  0 99  0E9 OVRFW MECH FAIL                                             1 04 3
174. 4/12/71 STERLING,IL HYDRAULI-OI  UN   0ECL  0  0 99  0E9 TS FL HSE,CPL FA                                             1 04 3
175. 4/13/71 DEMOINES,IA SULFURIC-AC  CL   8E0L  0  0  1  0E9 TS FL HSE,CPL FA                                    TK TRLR  0 41 1
176. 4/14/71 ST-LUS-O,CA DI-SYSTON    BP   5E0K  0  0  1 80E1 RP-NT SHRP OBJ                                    PA BAG   0 02 1
177. 4/14/71 NY-SLOUG,CA CHLORINE     UN   0E0U  0  0 99  0E9 OTHER UNKNOWN                                              0 06 6
178. 4/15/71 ESTUARY  ,CA MOLASSES     UN   0E0U  0  0 99  0E9 OVRFW UNKNOWN    SHIP SANK                       BARGE TK 0 02 6
179. 4/17/71 E RTHRFD,NJ SODIUM-HYDO  FS 64E3L  0  0  8  0E0 RP-NT CONTR FLRE FIRE          SPON COMB  STL DRUM 1 03 3
180. 4/17/71 E RTHRFD,NJ MULTIPLE     FS 64E3L  0  0  8  0E0 RP-NT CONTR FLRE FIRE          SPON COMB  STL DRUM 2 03 3
181. 4/17/71 E RTHRFD,NJ ZINC DUST    FS 14E2K  0  0  8  0E0 RP-NT CONTR FLRE FIRE          SPON COMB  STL DRUM 1 03 3
182. 4/18/71 COLGTE-C,MD LACQUER-THI  FL   0ECU  0  0 99  0E9 OTHER INTNL REL                                             0 00 5
183. 4/19/71 MEMPHIS  ,TN WEED-KILLER  BP   4E0L  0  0 99 10E0 RP-NT CONTR FLRE OVRPRES       UNKNOWN    PBTL/CTN 0 01 1
184. 4/20/71 FAYETTVL,NC POISON-NOI   BP   0EC   0  0 99  0E9 RP-NT CONTR FLRE DROPPED                          PLS PAIL 0 02 1
185. 4/20/71 RICHMOND,VA WEED-KILLER  BP   1ECL  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT                        STL PAIL 0 02 1
186. 4/20/71 PORT-NEW,NJ DIMAZINE     FL 32E0K  0  0  1 20E1 RP-NT SHRP OBJ                                    STL DRUM 0 02 1
187. 4/20/71 ST-PAUL  ,MN MERCURY      BP   9E0K  0  0  2 11E1 RP-NT CONTR FLRE                                  GLS BTLS 0 02 1
188. 4/21/71 LOUISVIL,KY TRIETHYLAMI  FL   0E9L  3  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT                        STL DRUM 0 01 1
189. 4/21/71 ANOPLS-H,MD PAINT        FL   0ECU  0  0 99  0E9 OTHER INTNL REL                                             0 00 5
190. 4/22/71 MILWAUKE,WI FORMIC-ACID  CL 25ECL  0  0  1 20E0 RP-NT                                             GLS BTLS 0 02 1
191. 4/24/71 ATLANTA  ,GA ANILINE-OIL  BP   8ECL  0  0  1  3E0 RP-NT CONTR FLRE IMP LDG                         STL DRUM 0 02 1
192. 4/26/71 ST-LOUIS,MO AMYL-PHENOL  BP   4E0L  1  0  1  0E9 RP-NT FORKLIFT                                    STL DRUM 0 01 1
193. 4/28/71 GRANIT-C,IL FERTILIZER   UN 57E3L  0  0 99  0E9 OVRFW UNKNOWN                                              0 06 2
194. 4/29/71 SPOKANE  ,WA ORGAN-PHOSP  BP   7E0K  0  0  1 30E0 RP-NT SHRP OBJ   IMP LDG                         PA BAG   0 02 1
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195. 4/30/71 LOS-ANGL,CA ZINC-CYANID  BP 38E2L  0  0  4  0E9 RP-TK CONTR FLRE MTRL CFCT                    PRTBL TK C 02 6
196. 5/ 3/71 AMARILLO,TX SODIUM-ARSI  BP  1E0L  0  0  1 15E0 RP-NT CONTR FLRE UNKNOWN                      STL PAIL 0 02 1
197. 5/ 3/71 AMARILLO,TX HERBICIDE    BP  1E0L  0  0 99  0E9 RP-NT UNKNOWN                                 STL PAIL 0 02 1
198. 5/ 4/71 CINCINAT,OH DINITRO-PHE  BP  3E0L  0  0  1  0E9 RP-NT DROPPED                                 GBTL/CTN 0 91 1
199. 5/ 5/71 OKLAHO-C,OK GUTHION      BP  2E0L  0  0  1  0E9 RP-NT LSE CP,CVR                              SJL PAIL 0 02 1
200. 5/ 5/71 FIR      ,OR DINITRO-PHE BP  1E0L  0  0  1  0E9 RP-NT SHRP OBJ                                STL PAIL 0 01 1
201. 5/ 5/71 INDUSTRY,CA STYRENE-MON  BP  0E0U  0  0 99  0E0 RP-TK RLF VAL OP CVRPRES    MECH FAIL         CKG/MX T 1 04 3
202. 5/ 5/71 INDUSTRY,CA ETH-BENZENE  FL  0E0U  0  0 99  0E0 RP-TK RLF VAL CP CVRPRES    MECH FAIL         CKG/MX T 1 04 3
203. 5/ 5/71 INDUSTRY,CA MULTIPLE     BP  0E0U  0  0 99  0E9 RP-TK RLF VAL OP U N K N O  MECH FAIL         CKG/MX T 2 04 3
204. 5/ 6/71 BUFFALO ,NY SULFURIC-AC  CL 49E2L  0  0  2 34E2 OVRFW UNKNOWN                                 TK CR RR 0 02 1
205. 5/ 6/71 MILWAKEE,WI ETH-DIBROMI  BP 30E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                     STL PAIL 0 02 1
206. 5/ 6/71 GD-RAPID,MI MULTIPLE     BP  2E3L  0  0  8  0E0 RP-NT STRK BY V  PRNSLL ERR                  STL DRUM 2 05 3
207. 5/ 6/71 GD RAPID,MI UNKNOWN      UN  1E3L  0  0  8  0E0 RP-NT STRK BY V  PRNSLL ERR                  STL DRUM 1 05 3
208. 5/ 6/71 GD RAPID,MI CHROMIC-ACI  BP 75E0L  0  0  1  0E0 RP-NT STRK BY V  PRNSLL ERR                  STL DRUM 0 05 3
209. 5/ 6/71 GD RAPID,MI CYANIDE      BP  1E3L  0  0  8  0E0 RP-NT STRK BY V  PRNSLL ERR                  STL DRUM 1 05 3
210. 5/ 8/71 LIGONEER,IN LEAD-ARSENA  BP 86E0K  2  0  1 66E0 RP-NT SHRP OBJ                                STL DRUM 0 02 1
211. 5/11/71 CEURO   ,TX WEED-KILLER  BP 19E0L  0  0 99  0E9 RP-NT UNKNOWN                                 PLS PAIL 0 01 1
212. 5/11/71 PASCO   ,WA THIMIT       BP 15E0L  0  0  1 70E0 RP-NT SHRP OBJ   IMP LDG                      STL PAIL 0 92 1
213. 5/12/71 ST-PAUL ,MN WEED-KILLER  BP 38E0L  0  0 99 30E0 RP-NT CONTR FLRE IMP LDG                              0 02 1
214. 5/12/71 BRODRICK,CA SULFURIC-AC  CL 28E0L  0  0  1  0E9 RP-NT IMP LDG                                 PLSTC DR 0 02 1
215. 5/12/71 SELMA   ,CA ARS-MIXTURE  BP 36E1K  0  0  4 30E1 RP-NT SHRP OBJ   IMP LDG                      PA BAG   0 02 1
216. 5/17/71 ATLANTA ,CA ORGAN-PHOSP  BP  2E0L  0  0  1  0E9 RP-NT SHRP OBJ                                STL DRUM 0 01 1
217. 5/19/71 OHIO-RIV,   EPICHLOROHY  BP 23E2L  0  0  6  0E9 OTHER UNKNOWN                                          0 04 2
218. 5/19/71 ESTUARY ,CA METH-ETYL-K  FL  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                          0 04 6
219. 5/20/71 LUBBOCK ,TX METH-PARTHI  BP  8E0L  0  0  2 20E1 RP-NT CONTR FLRE UNKNOWN                     STL DRUM 0 00 1
220. 5/21/71 KEARNY  ,NJ PEROXIDES-O  FL 11E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN                      PLS PAIL 0 02 1
221. 5/21/71 YORK    ,PA DINITRO-PHE  BP  4E0L  0  0  1  0E9 RP-NT BODY FLRE  IMP LDG                      STL DRUM 0 02 1
222. 5/24/71 SALT-LK ,UT ORGAN-PHOSP  BP  4E0L  0  0  1 25E1 RP-NT CONTR FLRE UNKNOWN                     STL PAIL 0 02 1
223. 5/24/71 COSGROVE,MO ACETALDEHYD  FL 17E3L  0  0  9 17E2 RP-TK RLF VAL OP UNKNOWN                     TK CR RR 0 02 1
224. 5/24/71 HARISBRG,PA DINITRO-PHE  BP  6E0L  0  0  1 30E0 RP-NT WET PACKNG                              FBRE DRM 0 02 1
225. 5/24/71 ST-LOUIS,MO PHENOL       BP  0E0U  1  0 99  0E9 RP-NT CONTR FLRE DROPPED                     GLS BTLS 0 01 1
226. 5/24/71 LONG ISL,NY SOD SILICATE CL 19E3L  0  0  4  0E0 RP-TK EXPLOSION  VALVE SHUT                   STO TANK 0 01 3
227. 5/25/71 KANSAS-C,MO ORGAN-PHOSP  BP  6E0L  0  0  1 75E1 RP-NT CONTR FLRE                             STL DRUM 0 02 1
228. 5/27/71 PORTLAND,OR PENTACHLORO  BP  1E0L  0  0  1  0E9 OVRFW LSE CP,CVR                              STL PAIL 0 02 1
229. 5/28/71 WAKEFORS,NC MULTIPLE     CL 76E1L  0  0  5  0E9 RP-NT CONTR FLRE SHRP OBJ   CONTR FLRE STL DRUM 2 02 1
230. 5/28/71 WAKEFORS,NC SODIUM-HYPO  CL 76E1L  0  0  5  0E9 RP-NT CONTR FLRE SHRP OBJ   CONTR FLRE STL DRUM 1 02 1
231. 5/28/71 WAKEFORS,NC SULFURIC-AC  CL 76E1L  0  0  5  0E9 RP-NT CONTR FLRE SHRP OBJ   CONTR FLRE STL DRUM 1 02 1
232. 5/29/71 LACROSSE,WI HEXCHLOR-CY  BP  2E0L  0  0  1 50E0 RP-NT BODY FLRE  DROPPED                               0 01 1
233. 6/ 1/71 PHOENIX ,AZ ORGAN-PHOSP  BP  2E0L  0  0  1 50E0 RP-NT SHRP OBJ   IMP LDG                      STL DRUM 0 02 1
234. 6/ 2/71 DENVER  ,CO CYTHION-INS  BP  7E0L  0  0  1 12E1 RP-NT LSE CP,CVR                              STL DRUM 0 02 1
235. 6/ 2/71 PORTSMOU,OH ENDRIN       BP  4E0L  0  0  1  0E9 OTHER INTNL REL  VANDALISM                             0 06 2
236. 6/ 3/71 OKLAHOMA,OK ALDACIDE     BP 36E0K  0  0 99  0E9 OTHER UNKNOWN                                 PA BAG   0 02 1
237. 6/ 4/71 W-SLT-LK,UT METH-PARTHI  BP  8E0L  0  0  2  0E9 RP-NT SHRP OBJ                                STL PAIL 0 02 1
238. 6/ 5/71 YUBA-CTY,CA PARATHION-L  BP  1E0K  0  0  1 40E1 RP-NT CONTR FLRE IMP LDG                     STL DRUM 0 02 1
239. 6/ 5/71 CLEVLAND,OH LEAD-ARSENA  BP  1E0K  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN                      PA BAG   0 02 1
240. 6/ 5/71 CHICAGOH,IL SODIUM-ARSI  BP 76E0L  0  0  5 75E0 RP-NT SHRP OBJ   UNKNOWN                      STL DRUM 0 01 1
241. 6/ 5/71 FLORAL  ,AR ANH-AMMONIA  UN  0E0U  0  0 99  0E9 OVRFW STRK BY V                               PIPES    0 02 7
242. 6/ 6/71 XENIA   ,OH TOLUENE      FL 20E4L  0  0 10  0E0 RP-TK EXPLOSION  LIGHTNING                    STO TANK 0 03 3
243. 6/ 7/71 PORTLAND,OR POISON-NOI   BP  1E0L  0  0  1  0E9 RP-NT LSE CP,CVR                                       0 02 1
244. 6/ 8/71 OKLAH-CI,OK NILVERM      BP 57E0L  0  0  1  0E9 RP-NT MTRL DFCT                               STL DRUM 0 02 1
245. 6/10/71 LAUREL  ,MD DINITRO-PHE  BP  0E9U  2  0 99 50E1 RP-NT WET PACKNG                              FBRE DRM 0 01 1
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246. 6/10/71 TREVOSE ,PA EPICHLOROHY BP  4E0L 0 0  1  0E9 RP-NT SHRP OBJ                          STL DRUM 0 02 1
247. 6/10/71 MOBILE  ,AL SODIUM-ARSN BP 76E0L 0 0  2  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
248. 6/10/71 SBARTONV,IL HYDRAULI-OI UN  0ECU 0 0 99  0E9 TS FL HSE,CPL FA                                 1 04 3
249. 6/10/71 SBARTONV,IL MOLTEN-METL UN  0ECU 0 0 99  0E9 OVRFW MECH FAIL                                  1 04 3
250. 6/10/71 SBARTONV,IL MULTIPLE    UN  0ECU 0 0 99  0E9 OVRFW MECH FAIL                                  2 04 3
251. 6/12/71 SPRINBRG,SC NITROCHLOTO UN 19E2L 0 0 99  0E0 RP-TK EXPLOSION  CHMCAL RE  VALVE SHUT CKG/MX T 0 03 3
252. 6/14/71 FT SMITH,AR PAINT       FL 70E2L 0 0 99  0E0 OVRFW SPKLRS DSC FIRE       ELCT ARCNG DIP TANK 0 04 3
253. 6/16/71 OAKLAND ,CA SULFUR-MOLT CL  0ECU 0 0 99  0E9 OTHER UNKNOWN                                    0 00 6
254. 6/18/71 KENNEWIK,WI INSECTICIDE BP  1E0K 0 0 99  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
255. 6/20/71 MTN VIEW,CA PLATING COM BP  0E0U 0 0 99  0E0 RP-TK CONTR FLRE FIRE       CNTRL INOP STO TANK 0 04 3
256. 6/20/71 EXTON   ,PA ZIRCONIUM   FS  0ECU 0 0 99  0E0 RP-TK CONTR FLRE FIRE       SPON COMB  STL PAIL 0 03 3
257. 6/21/71 MEMPHIS ,TN WEED-KILLER BP  2E0L 0 0 99 25E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
258. 6/21/71 CHICAGO ,IL TECHNISTRIP BP  2E0K 0 0 99 50E0 RP-NT SHRP OBJ   UNKNOWN                CDBD DRM 0 02 1
259. 6/23/71 KANSAS-C,KS ETH-PARATHI BP  1E0L 1 0  1 30E0 RP-NT MTRL DFCT                         STL DRUM 0 71 1
260. 6/28/71 S-KEARNY,NJ ALC-ALLYL   BP 18E1K 0 0  3  0E9 RP-NT MTRL DFCT                         STL DRUM 0 02 1
261. 6/28/71 DALLAS  ,TX INSECTICIDE BP  4E0L 0 0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                STL PAIL 0 02 1
262. 6/29/71 CINCINTI,OH SODIUM-ARSI BP 19E0L 0 0  3  0E9 RP-NT CONTR FLRE UNKNOWN                STL PAIL 0 02 1
263. 6/29/71 KINGSPRT,TN AQ-HYDR-ACD CL 68E0K 0 0  1 10E1 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
264. 6/30/71 OMAHA   ,NB PARATHION-L BP 37E0L 2 0  5 25E3 RP-NT LSE CP,CVR IMP LDG                STL DRUM 0 02 1
265. 6/30/71 CHARLOTT,NC SODIUM-ARSI BP 38E0L 0 0  4  0E9 RP-NT SHRP OBJ                          STL DRUM 0 02 1
266. 7/ 2/71 SLT-CK-C,UT PARATHION-L BP  1E0L 0 0  1  0E9 RP-NT UNKNOWN                           STL PAIL 0 02 1
267. 7/ 2/71 YAKIMA  ,WA TET-ETH-PYR BP  1E0L 0 0  1 15E1 RP-NT CONTR FLRE DFCTV WELD             STL PAIL 0 02 1
268. 7/ 6/71 SAN-FRIS,CA LITHIUM-HYP OX 68E1K 0 0  1 28E1 RP-NT UNKNOWN                           CDBD DRM 0 02 1
269. 7/ 6/71 LUBBOCK ,TX ORGAN-PHOSP BP 19E0L 1 0  1 50E0 RP-NT BODY FLRE  IMP LDG                STL DRUM 0 02 1
270. 7/ 6/71 LUBCOCK ,TX ORGAN-PHOSP BP   0EC 0 0 99  0E9 RP-NT CONTR FLRE UNKNOWN                PA BAG   0 02 1
271. 7/ 7/71 FRESNO  ,CA TRICALC-ARS BP 34E1K 0 0  1 40E1 RP-NT SHRP OBJ   IMP LDG                PA BAG   0 02 1
272. 7/ 8/71 PORTLAND,OR POISON-NOI  BP  1E0L 0 0  1 30E1 RP-NT CONTR FLRE UNKNOWN                STL DRUM 0 02 1
273. 7/ 8/71 NEW-ORLN,LA PARATHION-L BP 14E3L 0 0 10  0E9 RP-NT CONTR FLRE DROPPED                STL DRUM 0 01 1
274. 7/ 8/71 W-BORO  ,MA ORGAN-PHOSP BP  1E0L 0 0  1 77E2 RP-NT SHRP OBJ   IMP LDG                STL PAIL 0 02 1
275. 7/ 9/71 99      ,99 METH-PARTHI BP  0E0U 4 0 99  0E9 RP-NT CONTR FLRE DROPPED                         0 01 2
276. 7/10/71 POCATELO,ID MALATHION   BP  1E0L 0 0  1 18E0 RP-NT LSE CP,CVR                        STL DRUM 0 02 1
277. 7/12/71 FRESNO  ,CA INSECTICIDE BP  1E0K 0 0 99 31E0 RP-NT SHRP OBJ   IMP LDG                PA BAG   0 02 1
278. 7/14/71 LESTER  ,PA ARS-TRICHLO BP 25E0L 0 0  1 20E1 RP-NT CONTR FLRE OVRTURN    IMP LDG    GLS BTLS 0 02 1
279. 7/15/71 CINCINAT,OH PLATING-COM BP  0E0U 0 0 99  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
280. 7/15/71 PHOENIX ,AZ HYDROCHLORI CL  10E0 0 0  1  0E9 RP-NT CONTR FLRE IMP LDG                         1 02 1
281. 7/15/71 PHOENIX ,AZ MULTIPLE    CL 11E0L 0 0  1  0E9 RP-NT CONTR FLRE IMP LDG                PBTL/CTN 2 02 1
282. 7/15/71 PHOENIX ,AZ SODIUM-HYPO CL  10E0 0 0  1  0E9 RP-NT CONTR FLRE IMP LDG                         1 02 1
283. 7/15/71 KENEWICK,WA ORGAN-PHOSP BP   1E2 0 0  1  0E9 RP-NT CONTR FLRE UNKNOWN                PA BAG   0 02 1
284. 7/19/71 SIGANAW ,MI NITRO-PHENO BP 14E1L 0 0  3 10E2 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
285. 7/20/71 AUBURN  ,NY AMOR POLYPR UN  0ECU 0 0 99  0E0 RP-NT CONTR FLRE EXPLOSION  OVRPRES    STO TANK 0 01 3
286. 7/20/71 PATOM-RI,MD SODA-ASH    UN  0E0L 0 0 99  0E9 OVRFW UNKNOWN                           SETLG PD 0 05 5
287. 7/21/71 ARUNDL-B,MD PERMANGANAT OX  0E0L 0 0 99  0E9 OTHER UNKNOWN                           SETLG PD 0 05 5
288. 7/22/71 BARIA   ,OH SODIUM-HYDO FS 37E2K 0 0  4 25E3 RP-NT CONTR FLRE OVRTURN    PRNSLL ERR STL DRUM 0 00 1
289. 7/22/71 BEACON  ,NY TOLUENE     FL 19E1L 0 0  3 15E0 OVRFW PRNSLL ERR                        STO TANK 0 41 1
290. 7/23/71 CRESTWOD,MO SULFURIC-AC CL  65E2 0 0  3 10E2 OVRFW OPN VALVE  PRNSLL ERR             TK TRLR  0 00 1
291. 7/26/71 SAN-ANGL,TX CYANIDE-SOL BP  8E0L 0 0  1 15E1 RP-NT CONTR FLRE OVRPRES                STL DRUM 0 02 1
292. 7/28/71 ORANGE  ,CT AMYL-PHENOL BP 21E1L 0 0  1  0E9 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
293. 7/28/71 LOS-ANGL,CA CARBOLIC-AC BP  7E0L 0 0  1  0E9 RP-NT CONTR FLRE LSE CP,CVR             STL DRUM 0 02 1
294. 7/30/71 GIBSONIA,PA PHENYL-MERC BP 19E0L 1 0  1 50E0 RP-NT FORKLIFT                          STL DRUM 0 01 1
295. 8/ 4/71 SELDEN  ,KA ANH-AMMONIA UN  45E2 0 0 99 20E1 RP-TK VALVE BKN  CLS&OVRTN              TK TRLR  0362 1
296. 8/ 4/71 DENVER  ,CO URANIUM-ORE OT 90E1K 0 0 99 14E2 RP-NT CONTR FLRE OVRTURN                STL DRUM 0 02 1
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297. 8/ 5/71 GALLUP   ,NM LACQUER      FL 55E1L  0  0  1 80E3 RP-TK CONTR FLRE                                PRTBL TK C282 1
298. 8/ 6/71 WINSLO   ,AR BROMINE      CL  0E9U  0  0 99 28E3 RP-TK VALVE BKN  OVRTURN     PRNSLL ERR TK TRLR  0 02 1
299. 8/ 6/71 PHILADEL,PA SODIUM-ARSI   BP  1E0L  0  0  1 10E0 RP-NT CONTR FLRE MTRL CFCT                      STL DRUM 0 02 1
300. 8/ 6/71 VERNON   ,CA ORGAN-PHOSP  BP  3E0L  0  0  1 20E0 RP-NT CONTR FLRE MTRL CFCT                      STL PAIL 0 02 1
301. 8/ 7/71 BLAINE   ,TN HYDROGEN-PE  CL 37E2L  1  0  7 60E2 RP-NT CONTR FLRE CLS&OVRTN                      CDBD DRM 0 C2 1
302. 8/ 7/71 W-MIDLSX,PA INK           FL 38ECL  0  0 99 75E0 RP-NT CONTR FLRE IMP LCG                        PLS PAIL C 02 1
303. 8/ 8/71 DALLAS   ,TX GUTHION      BP  4E0L  0  0  1 50E0 RP-NT SHRP OBJ   UNKNOWN                        STL DRUM 0 02 1
304. 8/ 9/71 WINSTON  ,NC ACETYLEN-TE  BP  4E0L  0  0  1  0E9 RP-NT UNKNCWN                                    GLS BTLS C C1 1
305. 8/ 9/71 HODGKINS,IL CLEANG-COMP   UN 18ECL  0  0 99 11E0 RP-NT CONTR FLRE SHRP OBJ                       PLS PAIL C 01 1
306. 8/ 9/71 CHICAGO  ,IL PHOS-PENTAS  FS 45ECK  0  0  1 14E1 RP-NT SHRP OBJ                                   STL PAIL C 02 1
307. 8/ 9/71 DENVER   ,CO ORGAN-PHOSP  BF 10E1L  0  0  2 10E2 RP-NT SHRP OBJ   DROPPED                        STL DRUM 0351 1
308. 8/ 9/71          ,MD INDUS-WASTE  UN  0ECU  0  0 99  0E9 CVRFW MECH FAIL  FLOOC                                   0 C0 5
309. 8/10/71 MEMPHIS  ,TN METH-PARTHI  BP 21E1L  0  0  6 50E1 RP-NT SHRP CBJ                                   STL DRUM C C1 1
310. 8/11/71 PITTSBRC,PA CYNID-OF-PT   BP  4ECK  0  0  1 20E0 RP-NT CONTR FLRE IMP LCC                        STL DRUM 0 02 1
311. 8/11/71 NEWORLEA,LA HYDROFLUOSI   CL 11E1L  0  0  2  0E9 RP-NT SHRP OBJ                                   CDBD DRM 0 02 1
312. 8/12/71 FARMNCTN,NM CRESYLIC-AC   BP  2ECL  0  0  1  0E9 RP-NT CONTR FLRE MTRL CFCT                      STL DRUM 0 00 1
313. 8/13/71 LAUREL   ,MD CHEMICL-NOI  UN 76E0L  0  0 99 75E0 RP-NT FORKLIFT   PRNSLL ERR                              0 51 1
314. 8/13/71 KANAWHAR,WV METH-ACRYLA   FL 11E3L  0  0 10  0E9 OTHER UNKNOWN                                             C 03 2
315. 8/17/71 YORK     ,PA TET-ETH-PYR  BP  4E0L  0  0  1  0E9 RP-NT SHRP OBJ                                   STL DRUM 0 02 1
316. 8/17/71 WNSTN-SL,NC HERBICIDE     BP  1ECL  0  0 99  0E9 RP-NT SHRP OBJ   IMP LOG                        STL PAIL 0 02 1
317. 8/19/71 DUNBAR   ,WV NITRIC-ACID  CL 19E0L  1  0  1 50E0 RP-NT DROPPEC                                    GLS CRBY 0 91 1
318. 8/20/71 HUNTINGT,OH ACRYLONITRI   FL 12E4K  0  0 10 45E3 RP-TK SHRP OBJ   DRLMENT                        TK CR RR 0 02 1
319. 8/20/71 PARUN-RU,MD WEED-KILLER   BP  0E0U  0  0 99  0E9 OTHER INTNL REL  NMRL OP                                 0 06 5
320. 8/21/71 STAUNTON,VA CLEANG-COMP   UN 21E1K  0  0 99 25E2 RP-NT SHRP OBJ   IMPR HNDLG PRNSLL ERR          FBRE DRM 0 51 1
321. 8/21/71 MISS-RIV,    MINERAL-OIL  FL 57E2L  0  0  2  0E9 TS FL HSE,CPL FA PRNSLL ERR                     BARGE TK 0 01 2
322. 8/24/71 HOUSTON  ,TX COKER-STOCK  FL 56E2L  0  0  5  0E9 TS FL UNKNOWN                                             0 01 2
323. 8/24/71 ALBANY   ,CA AZODRIN      BP 19E0L  0  0  1  0E9 RP-NT FORKLIFT   PRNSLL ERR                     STL PAIL 0 01 3
324. 8/25/71 ALBANY   ,CA METH-PARTHI  BP  4ECL  0  0  1 10E1 RP-NT CONTR FLRE DFCTV WELD                      STL DRUM 0 02 1
325. 8/26/71 NITRO    ,WV HEP-BUTYLCE  FL  0E0L  0  0 99  0E0 OVRFW MTRL DFCT                                 DRYING T 0 05 3
326. 8/28/71 BROOKLYN,NY SUGAR LIQUID  UN 95E2L  0  0 99  0E0 RP-TK WINC                                       STO TANK 0 C3 3
327. 8/29/71 LAFAYELE,IN MURIATIC-AC   CL 30E2K  0  0  1 37E1 RP-TK CONTR FLRE MTRL DFCT                      TK CR RR 0 01 1
328. 8/30/71 HELENA   ,AR EPN-FUMIGAN  BP 15E1L  0  0  3 25E2 RP-NT VANDALISM  MTRL DFCT                      STL DRUM 0 02 1
329. 8/30/71 DETROIT  ,MI HYDROX-ACRE  CL 21ECL  0  0  1 30E1 RP-NT SHRP OBJ   COLLSN      PRNSLL ERR         STL DRUM C 91 1
330. 8/31/71 ALBANY   ,CA POISON-NOI   BP 38ECL  0  0  4 10E1 RP-NT CONTR FLRE DROPPED     PRNSLL ERR         STL PAIL 0 51 1
331. 8/31/71 MERIDEN  ,MS SODIUM-ARSI  BP 38E0L  0  0  4  0E9 RP-NT SHRP CBJ   UNKNOWN                        STL PAIL 0 02 1
332. 8/31/71 LOS-ANGL,CA SODIUM-HYDO   FS 38ECK  0  0  1 13E1 RP-NT CONTR FLRE                                STL DRUM C 02 1
333. 9/ 1/71 SILKIRK  ,NY CRESYLIC-AC  BP 21E1L  1  0  1  0E9 TS FL HSE,CPL FA                                 TK TRLR  0 21 1
334. 9/ 2/71 CHICAGO  ,IL SULFURIC-AC  CL 11E1L  0  0  1  0E9 RP-NT CONTR FLRE IMP LOG                        STL PAIL 0 02 1
335. 9/ 2/71 BILLINGS,MT SULFURIC-AC   CL 15E0L  0  0  1 20E1 RP-NT MTRL DFCT                                 PLSTC BT 0 01 1
336. 9/ 2/71 ETONTOWN,NJ METHANOL      FL  4E0L  0  0  1  0E0 RP-NT DROPPED    PRNSLL ERR FIRE                PLSTC DR C 03 3
337. 9/ 3/71 TPKE     ,PA CAUS-SODA    CL 19E1L  0  0  1 12E3 RP-TK LKG CVR    OVRTURN     PRNSLL ERR         TK TRLR  0 02 1
338. 9/ 5/71 HOUSTON  ,TX METH-PARTHI  BP 19E0L  0  0  3 15E2 RP-NT CONTR FLRE IMPR HNDLG                      STL DRUM 0 11 1
339. 9/ 8/71 HAYWOOC  ,CA INK          FL  4E0L  0  0 99 10E0 RP-NT FORKLIFT   PRNSLL ERR                     STL DRUM 0 01 1
340. 9/ 9/71 BRISBANE,CA CYANIDE-SOD   BP 13E1L  0  0  2 25E0 RP-NT SHRP OBJ   UNKNOWN                        STL DRUM 0 02 1
341. 9/ 9/71 S-HAVEN  ,MI NITRIC-ACID  CL 28E1L  0  0  4 20E2 OVRFW GAU MS/DFC                                 PRTBL TK 0 01 1
342. 9/ 9/71 99       ,LA SULFURIC-AC  CL 36E2K  0  0  2  0E9 RP-TK LSE CP,CVR GSKT FAIL                      TK TRLR  0 01 1
343. 9/ 9/71 BRUNSWIC,MD FORMALDEHYD   FL 15E3L  0  0  6  0E9 RP-TK BODY FLRE  PRNSLL ERR                     TK TRLR  0 02 5
344. 9/10/71 SUMTRUIL,FL SULFURIC-AC   CL 19E4L  0  0  7 19E3 RP-TK SHRP CBJ   DRLMENT                        TK CR RR 0 02 1
345. 9/10/71 JACKSONU,FL SULFURIC-AC   CL 38E3L  0  0  5 10E3 RP-TK SHRP CBJ   DRLMENT                        TK CR RR 0 02 1
346. 9/12/71 HAKNS-PT,MD BAUXITE       FS  0E0U  0  0 99  0E9 OTHER INTNL REL  PRNSLL ERR                              0 01 5
347. 9/14/71 CHARLOTE,NC WEED-KILLER   BP  1E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                        STL PAIL 0 02 1
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348. 9/14/71 DORSEY  ,MD VINYL-CHLOR  FL 38E3L  0  0  5 10E3 RP-TK SHRP OBJ   DRLMENT    UNKNOWN     TK TRLR  0 02 1
349. 9/17/71 RICHWOOD,KY EMUL-NEMATI  BP 11E1L  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1
350. 9/17/71 VERNON  ,CA PARATHION-L  BP 19E0L  0  0  3 15E1 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 52 1
351. 9/18/71 CHATTANO,TN SULFURIC-AC  CL 19E3L  0  0  4 75E1 RP-TK LKG CVR                           TK CR RR 0 02 1
352. 9/19/71 EFFINCHM,IL DICHLOROETH  BP 21E1L  5  0  1 30E2 RP-NT CONTR FLRE UNKNOWN                STL DRUM 0 02 1
353. 9/20/71 HAVERHIL,MA INK          FL 95E0L  0  0 99 10E1 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 51 1
354. 9/20/71 OAKLAND ,CA ARS-MIXTURE  BP  0ECU  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                PA BAG   0 02 1
355. 9/20/71 LAMBURLS,VA TALLOW       UN 10E2L  0  1 99  0E9 TS FL HSE,CPL FA OVRPRES                         0411 2
356. 9/20/71 CORPUS-C,TX INDUS-WASTE  UN 16E4L  0  0 99  0E9 OTHER CONTR FLRE                        SETLG PD 0 05 2
357. 9/21/71 BRISBANE,CA WET-CEL-ALC  FL 30E2K  0  0 99 50E1 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1
358. 9/22/71 TOLEDO  ,OH WEED-KILLER  BP  8E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED                PBTL/CTN 0 02 1
359. 9/24/71 KANSAS  ,MO ARS-TRICHLO  BP  1E0K  0  0  1  0E9 RP-NT MTRL DFCT                         SS CRBY  0 01 1
360. 9/26/71 WNST-SLM,NC INK          FL 21E1L  0  0 99  0E9 RP-NT FORKLIFT                          STL DRUM 0 51 1
361. 9/28/71 99      ,99 ANH-AMMONIA  UN  0ECU  0  0 99  0E9 RP-TK LSE CP,CVR                        STO TANK 0 01 2
362. 9/29/71 NEWBURGH,NY POISON-222E  BP 19ECL  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
363. 9/29/71 GREENVIL,TX SULFURIC-AC  CL 57E2L  2  0  2 80E1 RP-TK VALVE BKN  CLS&OVRTN              TK TRLR  0 02 1
364. 9/29/71 BERNIC  ,LA ANH-AMMONIA  UN 64E2L  0  0  5 60E2 OVRFW VALVE BKN                         PIPES    0 02 7
365. 9/30/71 NEW-ORLN,LA PARATHION-L  BP  2E0L  0  0  1 67E1 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1
366. 9/80/71 TUSCON  ,AZ THIOPHENOL   BP 10E2K  0  0  5 40E2 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
367.10/ 1/71 CHATANOG,TN SULFURIC-AC  CL 38E1L  0  0  1 50E0 RP-TK BODY FLRE  UNKNOWN                TK CR RR 0 02 1
368.10/ 1/71 CHATFIEL,MN SULFURIC-AC  CL 16E2L  0  0  1 65E0 RP-TK HSE,CPL FA OVRTURN                TK TRLR  0 02 1
369.10/ 1/71 JACKSON ,MS CAUS-SODA    CL 36E2K  0  0  4  0E9 RP-TK CONTR FLRE COLLSN                 TK TRLR  0 02 1
370.10/ 6/71 BALTIMOR,MD CHEM-NOI     UN  0ECU  0  0 99  0E9 OTHER UNKNOWN    UNKNOWN                         0 00 5
371.10/ 6/71 BALTIMOR,MD TOLUENE      FL  0E0U  1  0 99  0E9 OVRFW UNKNOWN    FIRE                   PIPES    013611
372.10/ 8/71 BRENT-HA,MI ETH-DICHLOR  FL 75E2L  0  0  5 85E1 RP-TK LKG CVR                           TK TRLR  0362 1
373.10/ 8/71 HOUSTON ,TX DESTRLXOL    BP  4ECL  0  0  1  0E9 OTHER UNKNOWN                           STL PAIL 0 01 1
374.10/ 9/71 SEATLE  ,WA ETH-DIBROMI  BP  1E0L  0  0  1  0E9 RP-NT MTRL DFCT                         STL PAIL 0 01 1
375.10/14/71 CHEMUNG ,NY THIONYL-CHL  CL 10ECK  0  0  1 10E1 RP-NT SHRP OBJ                          STL DRUM 0 02 1
376.10/14/71 SBARTONV,IL MULTIPLE     UN 15E2L  0  0 99  0E9 OVRFW MECH FAIL                                  2 04 3
377.10/14/71 SBARTONV,IL HYDRAULI-OI  UN 54E1K  0  0 92  0E9 TS FL HSE,CPL FA                                 1 04 3
378.10/14/71 SBARTONV,IL MOLTEN-METL  LN  4E0   0  0 99  0E9 OVRFW MECH FAIL                         IND MACH 1 04 3
379.10/15/71 ELMIRA  ,NY INDUS-WASTE  UN 19ECL  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG    PRNSLL ERR  CDBD DRM 0 02 1
380.10/15/71 RICHFILD,OH PHOS-TRICHL  CL  5E0K  0  0  1  0E9 RP-NT LSE CP,CVR                        STL DRUM 0 01 1
381.10/19/71 99      ,CO PROP-GLYCOL  BP 68E0K  0  0  2 27E1 RP-NT UNKNOWN                           STL DRUM 1 02 1
382.10/19/71 99      ,CO TRIPHENYL-S  UN 68ECK  0  0 92 27E1 RP-NT UNKNOWN                           STL DRUM 1 02 1
383.10/19/71 99      ,CO MULTIPLE     BP 68E0K  0  0  2 27E1 RP-NT UNKNOWN                           STL DRUM 2 02 1
384.10/19/71 HOUSTON ,TX VINYL-CHLOR  FL 13E4L 50  1  7  0E9 RP-TK SHRP OBJ   DRLMENT                TK CR RR 1 0211
385.10/19/71 HOUSTON ,TX MULTIPLE     FL 13E4L 50  1  7  0E9 RP-TK SHRP OBJ   DRLMENT                TK CR RR 2 0211
386.10/19/71 HOUSTON ,TX ACETONE      FL  0ECU 50  1  7  0E9 RP-TK SHRP OBJ   DRLMENT                TK CR RR 1 0211
387.10/22/71 MONUMENT,NM HYDROCHLORI  CL 38E2L  0  2  4  0E9 RP-TK CONTR FLRE OVRTURN                TK TRLR  0 02 1
388.10/24/71 TUCSON  ,AZ LITHIUM BRO  UN  0E0U  0  0 99  0E0 RP-TK OVRPRES                           IND MACH 0 04 3
389.10/26/71 BROWNSVL,TX HERBICIDE    BP 57E0L  0  0 99 27E1 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 11 1
390.10/26/71 PHOENIX ,AZ ORGAN-PHOSP  BP  7E0K  0  0  1 75E0 RP-NT SHRP OBJ   DROPPED                PA BAG   0 01 1
391.10/27/71 SEATTLE ,WA CUPRIC-HYDR  BP 16ECL  0  0 99 24E0 RP-NT SHRP OBJ   UNKNOWN                         0 02 1
392.10/27/71 SLT-LK-C,UT ISOBORENE-D  BP 38E0L  0  0  4 20E1 RP-NT MTRL DFCT                         STL DRUM 0 01 1
393.10/28/71 YORK    ,PA CHRO-ACI-SL  BP 11ECL  0  0  1  0E9 RP-NT DROPPED                           PLSTC BT 0 01 1
394.10/29/71 WILAM-RI,OR CAUS-SODA    CL 91E2L  0  0  5  0E9 OVRFW OPN VALVE  PRNSLL ERR                      0 04 2
395.10/29/71 HOLLAND ,MI CHEM-NOI     UN  0ECU  0  0 99  0E9 RP-TK CONTR FLRE EXPLOSION  CHMCAL RE   CDBD DRM 0 04 3
396.11/ 1/71 ALBURQUR,NM CBN-TETRACH  UN  4E0L  0  0  1 15E0 RP-NT CONTR FLRE IMP LDG                GLS BTLS 0 02 1
397.11/ 2/71 DETROIT ,MI TRICHLORACE  BP 15E1L  0  0  1  0E9 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 02 1
398.11/ 4/71 BALTIMOR,MD ARS-ACD-TEC  BP 32E1L  0  0  7  0E9 RP-TK LKG CVR    OVRTURN                TK TRLR  0 02 1
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399.11/ 4/71 99        ,    NUODEX-PMA   BP  1ECL  0  0  1   0E9 RP-NT UNKNOWN                                       STL DRUM C 01 3
400.11/ 4/71 BALTIMOR,MD ARS-ACD-TEC  BP 11E1L  0  0  6   0E9 RP-TK CONTR FLRE OVRTURN                          TK TRLR  C 02 5
401.11/ 8/71 RICHMOND,VA SODIUM-ARSI  BP 23E0L  0  0  3   0E9 RP-NT FORKLIFT   PRNSLL ERR                       STL DRUM C 51 1
402.11/ 9/71 KANAWHAR,WV NAVANE       UN 38E2L  0  0  4   0E9 TS FL UNKNOWN                                      PIPES    0 C2 2
403.11/12/71 AVON    ,IN SULFUR-MONO  CL 13E4L  1  0 10 70E2 RP-TK SHRP OBJ   DRLMENT                           TK CR RR C C2 1
404.11/13/71 N-PLATTE,NB PHEN-MRC-LC  BP 25ECL  0  0  1 13E2 RP-NT SHRP OBJ   IMPR HNDLG                        55 G DRM C C1 1
405.11/13/71 E ST LUS,IL MULTIPLE     FL  3E4L  0  0 99  0E0 OVRFW OPN VALVE  INTNL REL   VANDALISM  STO TANK 2 C3 3
406.11/13/71 E ST LUS,IL SOYBEAN OIL  FL 23E3L  0  0 99  0E0 OVRFW OPN VALVE  INTNL REL   VANDALISM  STO TANK 1 03 3
407.11/13/71 E ST LUS,IL PAINT        FL 71E2L  0  0 99  0E0 OVRFW OPN VALVE  INTNL REL   VANDALISM  STO TANK 1 C3 3
408.11/15/71 CHERYVIL,NC POT-CYANIDE  BP 19ECL  0  0  3 30E0 RP-NT SHRP OBJ   DROPPED     IMPR HNDLG STL PAIL C 01 1
409.11/15/71 LG BEACH,CA POLYSTY MON  BP 11E3L  0  0  3  0E0 RP-TK OVRPRES    EXCESS TMP  CNTRL INOP CKG/MX T C C4 3
410.11/19/71 LOS-ANCL,CA INSECTICIDE  BP  1ECL  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT                        STL PAIL C C2 1
411.11/20/71 FULLERTN,CA FLAM-LIQ-UN  FL 42E1L  0  0 99  0E9 OTHER INTNL REL  VANDALISM                         STL DRUM C 03 3
412.11/24/71 SHARON  ,PA CRESYLIC-AC  BP 19ECL  0  0  1 25E0 RP-NT BODY FLRE  IMP LDG                           STL DRUM 0 02 1
413.11/25/71 KINGSVIL,SC CAUS-SODA    CL 38ECL  0  0  1 10E0 RP-TK VALVE BKN  DRLMENT                           TK CR RR 0 C2 1
414.11/26/71 RIVERTON,WY SULFURIC-AC  CL 10E1L  0  0  1 25E0 OTHER UNKNOWN                                               0 C2 1
415.11/26/71 OPELOUSA,LA AMM-NITRATE  OX 14E2K  0  0 99 85E0 RP-NT SHRP OBJ                                     PA BAG   0 C2 1
416.12/ 2/71 BUFFALO ,NY ARS-MIXTURE  BP 11ECL  0  0  1 50E0 RP-NT SHRP OBJ   IMP LDG                           STL DRUM C C2 1
417.12/ 3/71 THOMASVL,AL SULFURIC-AC  CL 58E3L  0  0  6 16E2 RP-TK LSE CP,CVR DRLMENT                           TK CR RR C 02 1
418.12/ 3/71 CHICAGO ,IL CAUS-POT-LI  CL 24E3K  0  0  4 12E2 RP-TK CONTR FLRE UNKNOWN                           TK CR RR C 02 1
419.12/ 3/71 PLNFIELD,CN METH-ETYL K  FL  0ECU  0  0 99  0E0 RP-TK FIRE       ELCT ARCNG  IMPR EQ OP CKG/MX T C C4 3
420.12/ 6/71 ATHENS  ,NY NITRIC-ACID  CL  8ECL  0  0  1 15E3 RP-TK UNKNOWN    CLS&OVRTN   RDWY CONDS TK TPLR  C C2 1
421.12/ 8/71 LAFAYETE,LA METH-ETYL-K  FL 12E2L  0  0  1 10E1 TS FL LKG CVR                                      TK TRLR  C C2 1
422.12/11/71 CORBIN  ,LA VINYL-ACETA  FL 70E3L  0  0  6 13E3 RP-TK SHRP OBJ   DRLMENT     VANDALISM  TK CR PR 0 02 1
423.12/11/71 CHICAGO ,IL CAUS-POT-LI  CL 21E3L  0  0  4 38E3 RP-TK CONTR FLRE                                   TK CR RR C C2 1
424.12/11/71 OHIO-RIV,99 BIMETHLY-AL  FL 65E2K  0  0  5  0E9 OTHER UNKNOWN                                               0 C2 2
425.12/11/71 N BERGEN,NJ SULFURIC-AC  CL 68E4L  0  0  9  0E0 RP-TK FIRE                                         STO TANK 0 03 3
426.12/13/71 KANSAS-C,KS METHACRYLON  FL 26E0L  3  0  1 18E1 RP-NT FORKLIFT   PRNSLL ERR                        STL DRUM 0 01 1
427.12/13/71 OPELOUSA,LA AMM-NITRATE  OX 89E1K  0  0 99  0E9 RP-NT SHRP OBJ                                     PA BAG   0 C2 1
428.12/16/71 DALLAS  ,TX ORGAN-PHOSP  BP 23E1K  0  0  3 60E1 RP-NT LKG CVR                                      STL PAIL C C2 1
429.12/16/71 CUMBRLND,MD CHLORDANE    BP  8ECL  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT                        STL DRUM C 01 5
430.12/17/71 BENTON-H,MI CHLOR-CHLOR  CL 15E3K  0  0  6 62E2 RP-TK CONTR FLRE OVRTURN     RDWY CONDS TK TRLR  C 02 1
431.12/20/71 OPELOUSA,LA AMM-NITRATE  OX 15E2K  0  0 99 86E0 RP-NT SHRP OBJ                                     PLSTC BG 0 C2 1
432.12/22/71 HOUSTON ,TX SULFURIC-AC  CL 13E3L  0  0  4 46E1 RP-TK CONTR FLRE COLLSN                            TK CR RR C 02 1
433.12/22/71 SAN-FRIS,CA AMM-NITRATE  OX 45E1K  0  0 99 40E0 RP-NT SHRP OBJ   IMP LDG                           PLSTC BG 0 02 1
434.12/22/71 NEWARK  ,OH PHN-FRM-RSN  FL 76E2L  0  0 99  0E9 TS FL HSE,CPL FA PRNSLL ERR                                 0 03 6
435.12/28/71 OR CITY ,OR MAGNESIUM A  CL  0E0U  0  0 99  0E0 RP-TK OVRPRES    CHMCAL RE                         CKG/MX T 0 04 3
436.12/30/71 EL-CNTRO,CA INSECTICIDE  BP 11E0L  0  0  9 23E0 RP-NT BODY FLRE  UNKNOWN                           STL DRUM C 02 1
437.12/31/71 BROOKPRT,IL BENZENE      FL 57E2L  0  0  2 13E3 RP-TK LKG CVR    OVRTURN     UNKNOWN    TK TRLR  0 02 1
438.12/70/71 BUFFALO ,NY CBN-BISULFI  FL 38E3L  0  0  7 30E2 RP-TK SHRP OBJ   COLLSN      DRLMENT    TK CR RR C 00 1
439. 0/ 0/72         ,MD CHEM-NOI     UN 38E2L  0  0 99  0E9 OVRFW PRNSLL ERR                                   STO TANK C 03 5
440. 0/ 0/72 TALOR   ,MI HYDROCHLORI  CL 19E2L  0  0  3  0E9 RP-TK CONTR FLRE UNKNOWN                           STO TANK 0 03 6
441. 1/ 3/72 HANCOCK ,MI SULFURIC-AC  CL 75E0L  0  0  1 10E0 RP-NT CONTR FLRE DROPPED                           PL CARBY C 01 1
442. 1/ 4/72 CHICAGO ,IL CAUS-SODA    CL  8ECL  0  0  1  0E9 RP-TK VALVE BKN  DRLMENT                           TK CR RR C C1 1
443. 1/ 4/72 AT-SEA  ,    CYANIDE-SOD  BP  0ECU  0  0 99 40E1 RP-NT CONTR FLRE IMP LDG                           STL DRUM C C2 1
444. 1/ 4/72 BERKLEY ,CA SULFURIC-AC  CL 19E0L  0  0  1  0E9 OVRFW UNKNOWN                                      TK TRLR  0 C1 6
445. 1/ 7/72 CLINTON ,IA SULFURIC-AC  CL 23E1K  1  0  1  0E9 TS FL HSE,CPL FA MECH FAIL                         STO TANK 0 2C 1
446. 1/ 9/72 TENN-RIV,TN ACRYLONITRI  FL 13E1L  0  0  3  0E9 OTHER UNKNOWN                                      BARGE TK 0 02 2
447. 1/ 9/72 SURGOINS,TN MULTIPLE     BP  0ECL  0  0 99  0E9 TS FL HSE,CPL FA                                           3 04 3
448. 1/ 9/72 SURGOINS,TN POLYSTYRENE  BP  0ECU  0  0 99  0E9 OTHER SPKLRS DSC NMRL OP    FIRE                           2 04 3
449. 1/ 9/72 SURGOINS,TN DYES-PIGMEN  UN  0E0U  0  0 99  0E9 OTHER SPKLRS DSC NMRL OP    FIRE                           2 04 3
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450. 1/ 9/72 HOHENWLD,TN PROCESS-OIL  FL 98E1L  0  0  1  0E9 OVRFW VALVE BKN    FIRE                       STO TANK 0 04 3
451. 1/ 9/72 SURGOINS,TN HYDRAUL-OIL  UN 95E1L  0  0 99  0E9 TS FL HSE,CPL FA                                     2 04 3
452. 1/10/72 PHOENIX ,AZ TET-HYDR-FU  FL  1E0L  0  0  1 10E0 RP-NT DROPPED      PRNSLL ERR                 GBTL/CTN 0 01 1
453. 1/10/72 CHICAGO ,IL INSECTICIDE  BP 19E0L  0  0 99 20E0 RP-NT SHRP OBJ     DROPPED                    STL DRUM 0 01 1
454. 1/10/72 GREATFAL,MT ARS-TRIOXID  BP  2E0K  0  0  1 25E0 RP-NT SHRP OBJ     IMP LDG                    CDRD DRM 0 02 1
455. 1/10/72 LASALJCT,UT AMM-NITRATE  OX 24E3   0  1 99 25E3 RP-TK CLS&OVRTN                                TK TRLR  0 02 1
456. 1/11/72 ATLANTA ,CA ORGAN-PHOSP  BP  1E0L  0  1  1  0E9 RP-NT CONTR FLRE   DROPPED                    GBTL/CTN 0 02 1
457. 1/13/72 ROCHSTER,NY BROMINE      CL 18E2K  1  0  9 75E0 TS FL HSE,CPL FA   PRNSLL ERR                 TK TRLR  0 01 1
458. 1/13/72 COLUMBUS,TX AMM-NITRATE  OX 11E2K  0  0 99 10E1 RP-NT SHRP OBJ     IMP LDG                    PLSTC BG 0 02 1
459. 1/13/72 THIBODAX,LA AMM-NITRATE  OX 91E1K  0  0 99 80E0 RP-NT SHRP OBJ     IMP LDG                    PA BAG   0 02 1
460. 1/13/72 JACKSONV,FL HYDROCHLORI  CL 18E0L  0  0  1 20E0 RP-TK LKG CVR      UNKNOWN                    TK CR RR 0 01 1
461. 1/14/72 CINCINAT,OH NITRIC-ACID  CL 30E3L  0  0 10  0E9 RP-TK UNKNOWN                                  TK CR RR 0 02 1
462. 1/14/72 SAFFORD ,AZ SULFURIC-AC  CL 54E2K  0  0  2 12E1 RP-TK VALVE BKN    CLS&OVRTN                  TK TRLR  0 02 1
463. 1/14/72 LEMONT  ,IL ALLYL-CHLOR  FL 10E1K  0  0  1 18E0 RP-TK CONTR FLRE   BODY FLRE    UNKNOWN       TK TRLR  0 02 1
464. 1/14/72 THIBODAX,LA AMM-NITRATE  OX 13E3K  0  0 99 11E1 RP-NT SHRP OBJ     IMP LDG                    PA BAG   0 02 1
465. 1/14/72 BERKLEY ,CA INSECTICIDE  BP  0E0L  0  0  9  0E9 OTHER PRNSLL ERR                                        0 00 6
466. 1/16/72 HICKSVLE,NY SALT WATER   UN  0E0U  0  0 99  0E0 RP-NT CONTR FLRE   WET PACKNG                 PA BAG   0 03 3
467. 1/17/72 ST-PAUL ,MN CLEANG-COMP  UN 30E0L  0  0 99  0E9 RP-NT CONTR FLRE   IMP LDG                    PLSTC BT 0 02 1
468. 1/17/72 SAVANNAH,CA RESONATE SO  UN 18E4L  0  0  6  0E0 OVRFW MECH FAIL                                         0 04 3
469. 1/18/72 SUNSET  ,LA AMM-NITRATE  OX 95E1K  0  0 99 27E0 RP-NT SHRP OBJ     IMP LDG                    PA BAG   0 02 1
470. 1/18/72 WICHTTA ,KA ISOTROL      BP  6E0L  0  0  9  0E9 RP-NT CONTR FLRE   UNKNOWN                    STL DRUM 0 02 3
471. 1/20/72 INSTITUT,WV METH-ISOBUT  FL  0E0U  0  0 99 35E3 OVRFW PRNSLL ERR                                        0 01 2
472. 1/20/72 KANAWHAR,WV METH-ISOBUT  FL 38E3L  0  0  5  0E9 OVRFW UNKNOWN                                           0 03 2
473. 1/20/72 AVERY   ,OH ASPHALT      UN 11E4K  0  0 99  0E0 OVRFW EXPLOSION    OVRPRES      FORGN SUBS    CKG/MX T 0 04 3
474. 1/21/72 SAN-LERN,CA WEED-KILLER  BP 19E0L  0  0 99  0E9 RP-NT CONTR FLRE   MTRL DFCT                  STL DRUM 0 02 1
475. 1/21/72 MIDLAND ,MI ALPHA-MONOC  CL 34E2L  2  0  4 12E2 OVRFW GSKT FAIL    OPN VALVE    PRNSLL ERR    TK TRLR  0 51 1
476. 1/23/72 CLARKSVL,OH MURIATIC-AC  CL  0E9   0  0 99  0E9 RP-TK RDWY CONDS                               TK CR RR 0 02 1
477. 1/24/72 CINCINAT,OH INK          FL 21E1L  0  0 99 34E1 RP-NT CONTR FLRE   MTRL DFCT                  STL DRUM 0 02 1
478. 1/24/72 99      ,99 INSECTICIDE  BP  1E0L  0  0 99 25E0 OTHER UNKNOWN                                  PA BAG   0 02 1
479. 1/24/72 OPELOUSA,LA AMM-NITRATE  OX 45E1K  0  0 99 30E0 RP-NT SHRP OBJ     IMP LDG                    PA BAG   0 02 1
480. 1/25/72 ORLANDO ,FL PHOSDRIN     BP  1E0L  0  0  1  0E9 RP-NT SHRP OBJ     IMP LDG                    STL DRUM 0 02 1
481. 1/25/72 PHILADEL,PA ACETONITRIL  FL 10E1L  0  0  1 15E1 RP-NT CONTR FLRE   IMP LDG                    STL DRUM 0 01 1
482. 1/27/72 CARTERET,NJ MINERAL-SPR  FL 95E4L  0  0 10  0E9 OVRFW UNKNOWN                                  PIPES    0 02 2
483. 1/28/72 NEW-OLNS,LA ETH-DIBROMI  BP  0E0   0  0 99  0E9 RP-NT FORKLIFT     PRNSLL ERR                 STL DRUM 0 50 1
484. 1/30/72 NEWTOWN ,PA MULTIPLE     CL  0E0U  0  0 99  0E9 OTHER PRNSLL ERR   FIRE                                5 03 3
485. 1/30/72 NEWTOWN ,PA NAPTHALEN-F  BP  0E0U  0  0 99  0E9 OTHER PRNSLL ERR                                       4 03 3
486. 1/30/72 NEWTOWN ,PA NITRIC-ACID  CL  0E0U  0  0 99  0E9 OTHER PRNSLL ERR   FIRE                                4 03 3
487. 1/30/72 NEWTOWN ,PA ZINC-DUST    FS  0E0U  0  0 99  0E9 OTHER PRNSLL ERR   FIRE                                4 03 3
488. 1/30/72 NEWTOWN ,PA ACETIC-ACID  CL  0E0U  0  0 99  0E9 OTHER PRNSLL ERR   FIRE                                4 03 3
489. 1/30/72 NEWTOWN ,PA POT-HYDROXI  CL  0E0U  0  0 99  0E9 OTHER PRNSLL ERR   FIRE                                4 03 3
490. 1/31/72 STAPLES ,LA ANILINE-OIL  BP 80E3K  0  0  8 12E3 RP-TK SHRP OBJ     DRLMENT      RDWY CONDS    TK CR RR 0 02 1
491. 1/31/72 ROSEDALE,MD CHEM-NOI     UN  0E0U  0  0 99  0E9 OTHER INTNL REL    UNKNOWN                             0 04 5
492. 1/31/72 CROCKETT,CA INDUS-WASTE  UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                           0 00 6
493. 1/31/72 WAYNSVIL,NC SULFURIC-AC  CL 19E1L  0  0  1  0E9 RP-TK VALVE BKN    UNKNOWN                    TK TRLR  0 02 6
494. 1/31/72 WOBURN  ,MA HYDROGEN-PE  CL 21E1L  0  0  3  0E9 RP-NT CONTR FLRE   IMPR HNDLG   PRNSLL ERR    STL DRUM 0 01 1
495. 2/ 1/72 VENICE  ,LA URANA-FERTL  UN 76E5L  0  0 99  0E9 RP-TK CONTR FLRE   COLLSN                     BARGE BK 0 02 6
496. 2/ 2/72 ALBURQRQ,NM ANILINE-OIL  BP  4E0L  0  0  1  3E0 RP-NT CONTR FLRE   UNKNOWN                    STL DRUM 0 02 1
497. 2/ 2/72 MISSISSI,LA XYLENE       FL  0E0U  0  0 99  0E9 RP-TK COLLSN                                   BARGE BK 0 02 6
498. 2/ 2/72 MISSIS-R,99 XYLENE       FL  0E0U  0  0 99  0E9 OVRFW SHIP SANK    UNKNOWN                    BARGE TK 0 02 6
499. 2/ 3/72 ARROYO  ,TX AMM-NITRATE  OX 30E1K  0  0 99 25E0 RP-NT SHRP OBJ     IMP LDG                    PA BAG   0 02 1
500. 2/ 3/72 CHICAGO ,IL XYLOL        FL 38E3L  0  0  5 55E2 RP-TK CONTR FLRE   UNKNOWN                    TK CR RR 0 02 1
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501. 2/ 4/72 WILMGTON,CA CAUS-SODA    CL 30E1L  0  0  1 62E1 RP-TK SHRP CBJ   COLLSN      PRNSLL ERP TK TRLR  C 01 1
502. 2/ 5/72 SA-FR-BA,CA ALKANE-56    FL 32E2L  0  0 99  0E9 OVRFW UNKNOWN                          0 02 6
503. 2/ 6/72 ALEXANDR,LA AMM-NITRATE  OX 79E1K  0  0 99 70E0 RP-NT SHRP CBJ   IMP LDG              PLSTC BG C C2 1
504. 2/ 8/72 SPOKANE ,WA ETHER        FL 21E1L  0  0  1 10E2 RP-NT CONTR FLRE MTRL DFCT            STL DRUM 0 02 1
505. 2/10/72 SUNSET  ,LA AMM-NITRATE  OX 70E1K  0  0 99 45E0 RP-NT SHRP OBJ   IMP LDG              PA BAG   0 02 1
506. 2/10/72 MELROSEP,IL PAINT        FL 11E2L  0  0 99  0E9 OVRFW UNKNCWN                 STO TANK C C4 6
507. 2/10/72 PORTLAND,OR PAINT        FL  0E0U  0  0 99  0E9 CTHER UNKNCWN                          C C4 6
508. 2/11/72 PADUCAH ,KY VINYL-ACETA  FL 23E0K  0  0  1 50E0 RP-NT FORKLIFT                         STL DRUM 0 01 1
509. 2/11/72 PADUCAH ,KY VINYL-ACETA  FL 23E0K  0  0  1 50E0 RP-NT FORKLIFT    PRNSLL ERR          STL DRUM 0 01 1
510. 2/12/72 AKRON   ,OH NITROBENZEN  BP 15E3L  0  0  9 20E3 RP-TK CONTR FLRE UNKNOWN              TK CR RR C C2 1
511. 2/13/72 MT-VRNON,IN SALT-WATER   UN 53E3L  C  0  4  0E9 OVRFW MECH FAIL                                 0 00 6
512. 2/14/72 CARTERET,NJ RESIN-SOLUT  FL 11E3L  0  0 99 37E2 RP-TK SHRF CBJ   CCLLSN               TK TRLR  C C2 1
513. 2/14/72 ST LOUIS,MO THERMINCL 66 FL  0E0U  0  0 99  0E0 CVRFW MECH FAIL  GSKT FAIL            IND MACH 0 04 3
514. 2/15/72 99      ,99 SULFURIC-AC  CL 19E1L  0  0  1 10E1 TS FL UNKNCWN                          TK TRLR  C 21 1
515. 2/15/72 ST-LOUIS,MO INSECTICIDE  BP 19E0L  0  0 99 20E0 RP-NT CONTR FLRE UNKNCWN              CBTL/CTN C 02 1
516. 2/16/72 OPELOUSA,LA AMM-NITRATE  OX 15E2K  0  0 99 13E1 RP-NT SHRP OBJ   IMP LDG              PLSTC BG 0 02 1
517. 2/16/72 HERNANCO,FL SULFURIC-AC  CL 51E3L  1  0  6 40E2 RP-TK CONTR FLRE DRLMENT              TK CR RR C C2 1
518. 2/17/72 SIMCO   ,ID PHOSPHATE-C  BP 21E1L  0  0  3 13E2 RP-NT CONTR FLRE UNKNCWN              STL DRUM C C2 1
519. 2/18/72 OPELOUSA,LA AMM-NITRATE  OX 96E1K  0  0 99 84E0 RP-NT SHRP OBJ   IMP LDG              PLSTC BG 0 02 1
520. 2/18/72 HARLNGTN,TX AMM-NITRATE  OX 64E1K  0  0 99 60E0 RP-NT SHRP CBJ   IMP LDC              PA BAG   C C2 1
521. 2/18/72 TOLEDO  ,OH SULFURIC-AC  CL  8E0L  0  0  1 80E1 RP-TK LSE CP,CVR PRNSLL ERR           TK TRLR  C C2 1
522. 2/22/72 SALINAS ,CA PARATHION-L  BP  8ECL  0  0  2 38E0 RP-NT CONTR FLRE CONTR FLRE PRNSLL ERR STL PAIL C 01 1
523. 2/22/72 PINSON  ,CA HEXAMETHYLE  CL 30E3L  0  0  3 30E2 RP-TK SHRP OBJ   DRLMENT              TK CR RR C 02 1
524. 2/22/72 HOUSTON ,TX SODIUM-HYDO  FS  0ECK  C  0 99 15E2 RP-NT CONTR FLRE                      STL DRUM C C2 1
525. 2/22/72 ALBANY  ,CA INSECTICIDE  BP 17E1L  0  0 99  0E9 RP-NT UNKNCWN                          STL PAIL C 82 1
526. 2/22/72 ESTUARY ,CA INDUS-WASTE  UN  0ECU  0  0 99  0E9 CVRFW UNKNCWN                                   C 00 6
527. 2/23/72 POCATELO,ID PENTACHLORC  BP  1ECL  0  0  1 14E1 RP-NT CONTR FLRE C V R F W            STL PAIL C C2 1
528. 2/23/72 BACK-RIV,MD METH-ETYL-K  FL 23E3L  0  0  4  0E9 RP-TK CONTR FLRE CVRTURN              TK TRLR  C 02 5
529. 2/23/72 PITTSBRG,PA XYLENE       FL  0ECU  0  0 99  0E9 OVRFW UNKNCWN                                   0 03 6
530. 2/24/72 STRUTHRS,CH SULFURIC-AC  CL 37E3L  0  0  5  0E9 RP-TK SHRP OBJ   COLLSN     PRNSLL ERR TK CR RR C C2 1
531. 2/24/72 99      ,MC METH-ETYL-K  FL 23E3L  0  0  4  0E9 RP-TK CONTR FLRE OVRTURN              TK TRLR  0 02 5
532. 2/24/72 DBALTIMO,MD MULTIPLE     FL 25E3L  0  0  6  0E9 RP-TK UNKNCWN    CCLLSN               TK TRLR  2 C2 6
533. 2/24/72 KREMLIN ,CK METHANOL     FL 75E3L  0  0  6  0E9 RP-TK UNKNOWN    DRLMENT              TK CR RR C C2 6
534. 2/24/72 BALTIMOR,MD METH-ISOBUT  FL 12E3    0  0  6  0E9 RP-TK UNKNOWN    COLLSN               TK TRLR  1 C2 6
535. 2/24/72 BALTIMOR,MC METH-ETHL-K  FL 12E3    0  0  6  0E9 RP-TK UNKNCWN    CCLLSN               TK TRLR  1 02 6
536. 2/25/72 CRESTON ,CA ORGAN-PHOSP  BP 28E1L  0  0  4 30E2 RP-NT CONTR FLRE MTRL DFCT            STL DRUM 0 C2 1
537. 2/25/72 OPELOUSA,LA AMM-NITRATE  OX 23E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG              PLSTC BG 0 02 1
538. 2/26/72 WHITE-HL,PA PLASTICIZER  FL 19E0L  0  0  1  0E9 OVRFW UNKNOWN                          STO TANK C 01 6
539. 2/28/72 LOUISVLE,KY ORGAN-PHOSP  BP 19ECL  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT            STL PAIL C 00 1
540. 2/28/72 SEATLE  ,WA ORGAN-PHOSP  BP  1E0K  0  0  1 10E1 RP-NT SHRP CBJ                         PA BAG   C 92 1
541. 2/29/72 MELVNDLE,MI METH-ETYL-K  FL 95E2L  0  0  3  0E9 RP-TK OPN VALVE  PRNSLL ERR           TK CR RR C C2 1
542. 2/29/72 LONGUIEW,TX INDUS-WASTE  UN  0E0U  0  0 99  0E9 CVRFW UNKNCWN                                   C C0 6
543. 3/ 1/72 WARRENFY,CH DRAULI-IO    LN 60E7L  0  0 99  0E9 TS FL HSE,CPL FA                                1 04 3
544. 3/ 1/72 WARRENMU,OH LTIPLE       UN 60E7L  0  0 99  0E9 OVRFW MECH FAIL                                 2 04 3
545. 3/ 1/72 WARRENMO,OH LTEN-METL    UN  0E0   0  0 99  0E9 OVRFW MECH FAIL                                 1 C4 3
546. 3/ 2/72 INDINPLS,IN ORGAN-PHOSP  BP  4ECL  0  0  1  0E9 RP-NT CONTR FLRE DROPPED                       0 01 1
547. 3/ 2/72 MOSES-LK,WA ORGAN-PHOSP  BP  8E0L  0  0  1  0E0 RP-NT SHRP OBJ   IMF LDG              STL DRUM C 02 1
548. 3/ 3/72 GOLDSBRO,NC INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT CONTR FLRE UNKNCWN              STL DRUM C 02 1
549. 3/ 4/72 CHICAGO ,IL CAUS-POT-LI  CL 19E1L  0  0  1  0E9 RP-TK LSE CP,CVR                      TK CR RR C 02 1
550. 3/ 4/72 GEISMER ,LA BENZENE      FL 10E4L  0  0  6  0E9 OVRFW HSE,CPL FA                      STO TANK 0 04 2
551. 3/ 4/72 GEISMER ,LA AROMATIC-O   FL 10E4L  0  0  6  0E9 RP-TK HSE,CPL FA                      TK TRLR  C 01 2
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552. 3/ 5/72 BETHEL   ,CT SULFUR-MONO  CL 45E0K  0  0  1 30E1 RP-NT MTRL DFCT   DRLM&OVRTN                STL DRUM  C 02 1
553. 3/ 6/72 EXETER   ,CA AMM-NITRATE  OX  0E0   0  0 99 40E0 RP-NT WET PACKNG                            PA BAG    0 02 1
554. 3/ 8/72 MIDDLTWN,NY WEED-KILLER  BP  4E0L  0  0 99 25E0 RP-NT UNKNOWN                               PBTL/CTN  0 02 1
555. 3/ 9/72 ATLANTA  ,CA CRESYLIC-AC  BP 11E0L  0  0  1  0E9 RP-NT UNKNOWN                               STL DRUM  C 02 1
556. 3/10/72 WESTRACO,MD BLACK-LIQUO  UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL   UNKNOWN                             0 04 5
557. 3/13/72 ABERDEEN,MD ORGAN-PHOSP  BP 19E0L  0  0  3  0E9 RP-NT CONTR FLRE MTRL DFCT                  STL DRUM  C 02 1
558. 3/13/72 OPELOUSA,LA AMM-NITRATE  OX 64E1K  0  0 99  0E0 RP-NT SHRP OBJ    IMP LDG                   PLSTC BG  0 02 1
559. 3/14/72 BRYAN    ,OH NITRIC-ACID  CL 45E0K  0  0  1  0E9 OVRFW GAU MS/DFC                            STO TANK  0 01 1
560. 3/15/72 CARENCO  ,LA AMM-NITRATE  OX 32E1K  0  0 99  0E0 RP-NT SHRP OBJ    IMP LDG                   PLSTC BG  C 02 1
561. 3/17/72 MISSIPPI,99 STYRENE      BP  0E0U  0  0 99  0E9 RP-TK CLS&OVRTN                             BARGE TK  C 02 2
562. 3/19/72 KINGSTON,TN UNKNOWN      UN 53E2L  0  0 99  0E9 OTHER UNKNOWN                                         0 03 2
563. 3/20/72 SEATTLE  ,WA THIMIT       BP  1E0K  0  0  1 20E0 RP-NT SHRP OBJ    IMP LDG                             0 02 1
564. 3/20/72 MILLCCRV,CA SODIUM-HYDO  FS 23E1K  0  0  1 15E1 RP-NT CONTR FLRE IMP LDG                   STL DRUM  0 02 1
565. 3/20/72 SPOKANE  ,WA DYNAFUME     BP 76E0L  0  0 99 10E1 RP-NT SHRP OBJ    UNKNOWN                   STL DRUM  C 51 1
566. 3/21/72 MTVERNON,KY SULFURIC-AC  CL 38E3L  0  0  5 13E2 RP-TK SHRP OBJ    DRLMENT      UNKNOWN      TK CR RR  C 02 1
567. 3/21/72 LUBBOCK ,TX PARATHION-L  BP 21E1L  0  0  6  0E9 RP-NT CONTR FLRE MTRL DFCT                  STL DRUM  C 02 1
568. 3/21/72 99      ,99 CHLOROSULFO  CL 57E0L  0  0  1  0E9 RP-NT SHRP OBJ    IMP LDG                   STL DRUM  0 02 1
569. 3/23/72 CLEVELAN,OH SULFURIC-AC  CL 38E2L  0  0  2 45E1 TS FL HSE,CPL FA UNKNOWN                   TK TRLR   0 51 1
570. 3/23/72 FRESNO   ,CA ORGAN-PHOSP  BP  1E0K  0  0  1  0E9 RP-NT LKG CVR     OVRPRES                   STL PAIL  0 02 1
571. 3/23/72 MANASSAS,VA CHEM-NOI     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                         C 00 6
572. 3/23/72 LEBANON ,KY HYDROCHLORI  CL 38E1L  0  0  1 20E1 OVRFW PRNSLL ERR UNKNOWN                   STO TANK  0 01 1
573. 3/24/72 NILESJCT,OH SODIUM-CLAT  OX 41E0K  0  0  1 10E1 RP-TK DRLMENT     UNKNOWN                   BK CR RR  C 02 1
574. 3/24/72 PHILADEL,PA PAINT-THINR  FL 21E1L  0  0  1  0E0 OVRFW OPN VALVE   PRNSLL ERR FIRE           STL DRUM  C 03 3
575. 3/26/72 EDGEMOOR,DE MURIATIC-AC  CL 44E3K  0  0  5 14E2 OTHER UNKNOWN                               TK CR RR  0 02 1
576. 3/26/72 SEADRIFT,TX TOLUENE      FL  0E0L  0  0 99  5E0 TS FL HSE,CPL FA                            BARGE TK  C 01 2
577. 3/27/72 NEWARK  ,NJ CYANIDE-SOD  BP 10E1K  0  0  2 20E1 RP-TK CONTR FLRE DFCTV WELD                  PRTBL TK  C 02 1
578. 3/27/72 ELSEGUND,CA CAUS-SODA    CL 11E3L  0  0  6 10E2 RP-TK SHRP OBJ    OVRTURN                   BOILER    0 02 1
579. 3/28/72 RICHFILD,OH NICOTINE-L   BP  4E0L  0  0  1 10E1 OTHER UNKNOWN                               STL PAIL  0 02 1
580. 3/28/72 FLOYD   ,VA INDUS-WASTE  UN 10E3K  0  0 99  0E9 RP-TK COLLSN                                TK TRLR   0 02 6
581. 3/29/72 MILWAKEE,WI CLEANG-COMP  UN  4E0L  0  0 99  0E9 RP-NT MTRL DFCT   UNKNOWN                             0 02 1
582. 3/31/72 EVENDALE,OH METH-PARTHI  BP 19E0L  0  0  3  0E9 RP-NT CONTR FLRE MTRL DFCT                  STL DRUM  C 02 1
583. 4/ 0/72 NEW-ORLN,LA URANA-FERTL  UN 64E5L  1  0 99  0E9 RP-NT SHIP SANK                            BARGE TK  C 01 2
584. 4/ 1/72 EVANDALE,OH METH-PARTHI  BP 19E0L 14  0  3  0E9 RP-NT CONTR FLRE                                      0 02 6
585. 4/ 3/72 SLT-LK-C,UT CHLOROPICRI  BP  2E0L  0  0  1 35E0 RP-NT CONTR FLRE MTRL DFCT                  STL DRUM  0 02 1
586. 4/ 3/72 FARMNGTN,CT SODIUM-ARSN  BP 19E0L  0  0  1  0E9 RP-NT SHRP OBJ    UNKNOWN                   STL PAIL  0 12 1
587. 4/ 6/72 NACOGDCH,TX AMM-NITRATE  OX 21E2K  0  0 99 19E1 RP-NT SHRP OBJ    IMP LDG                   PLSTC BG  0 02 1
588. 4/ 7/72 BUSHBPRK,SC SULFURIC-AC  CL 19E0L  1  0  1  0E9 RP-TK CONTR FLRE DFCTV WELD                  TK TRLR   0 01 1
589. 4/ 7/72 KANAWHAR,WV ETH-BUTYRAL  FL 11E3L  0  0  2  0E9 OVRFW PRNSLL ERR                            BARGE TK  0 01 2
590. 4/ 8/72 KANAWHAR,WV ETH-GLYCOL   FL 25E4L  0  0 10  0E9 OTHER UNKNOWN                                         C 01 2
591. 4/ 8/72 PORTLAND,OR AQUA-AMMONI  CL 45E1K  0  0  1  0E9 TS FL HSE,CPL FA                                      0 00 3
592. 4/ 8/72 BELLE   ,WV ETH-GLYCOL   FL  0E0U  0  0 99  0E9 OTHER UNKNOWN                                         C 00 6
593. 4/11/72 PHOENIX ,AZ WEED-KILLER  BP 15E0L  0  0 99 10E0 RP-NT CONTR FLRE DROPPED                   STL PAIL  C 01 1
594. 4/11/72 CLEVLAND,OH INDWST-FEO   UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL                             IND MACH  C 04 6
595. 4/11/72 DIXMOOR ,IL INDWST-ACID  UN  0E0U  0  0 99  0E9 RP-TK EXPLOSION  FIRE                      STO TANK  C 05 6
596. 4/13/72 PARIS   ,TX CARBOLIC-AC  BP 45E0K  0  0  1  7E0 RP-TK CONTR FLRE DFCTV WELD                  TK CR RR  0 02 1
597. 4/13/72 NACOGDCH,TX AMM-NITRATE  OX 29E2K  0  0 99 25E1 RP-NT SHRP OBJ    IMP LDG                   PLSTC BG  0 02 1
598. 4/14/72 CANTON  ,OH SULFURIC-AC  CL 79E1L  0  0  1 25E0 TS FL HSE,CPL FA UNKNOWN                   TK TRLR   C 51 1
599. 4/14/72 COMERCE ,CO ARS-TRICHLO  BP 19E0L  1  0  1  0E9 RP-NT SHRP OBJ    IMP LDG                   STL DRUM  0 02 1
600. 4/14/72 AZUSA   ,CA INK          FL 59E1L  0  0 99 60E1 RP-NT SHRP OBJ    IMP LDG                   STL PAIL  0 82 1
601. 4/17/72 HOUSTON ,TX ANILINE-OIL  BP 14E1L  0  0  1  0E9 RP-NT CONTR FLRE DFCTV WELD                  STL DRUM  0 02 1
602. 4/18/72 JACKSNVL,FL INSECTICIDE  BP  8E0L  0  0 99 20E0 RP-NT CONTR FLRE UNKNOWN                   GBTL/CTN  0 02 1
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603. 4/18/72 STEILACM,WA CAUS-SODA     CL 48E3K  0  0  7  0E9 RP-TK DRLMENT     RDWY CONCS FLOOD   TK CR RR 0 02 1
604. 4/18/72 CARENCRO,LA AMM-NITRATE   OX 41E1K  0  0 99 36E0 RP-NT SHRP OBJ    IMP LDG            PA BAG   0 02 1
605. 4/18/72 STEILACM,WA SODIUM-HYDX   CM  0E0U  0  0 99  0E9 RP-TK UNKNOWN     DRLMENT            TK CR RR 0 02 6
606. 4/19/72 POCATELO,ID INSECTICIDE   BP 19E0L  0  0 99 85E0 RP-NT MTRL DFCT                      STL DRUM 0 02 1
607. 4/19/72 IRVING   ,TX ORGAN-PHOSP  BP 19E0L  0  0  1 11E0 RP-NT SHRP OBJ    DROPPED            STL PAIL 0 01 1
608. 4/19/72 NACOGDCH,TX AMM-NITRATE   OX 90E1K  0  0 99  0E0 RP-NT SHRP OBJ    IMP LDG            PLSTC BG 0 02 1
609. 4/20/72 AKRON    ,OH CAUS-SODA    CL 76E2L  0  0  5 10E1 TS FL HSE,CPL FA UNKNOWN            TK TRLR  0 01 1
610. 4/20/72 SLADEN   ,MS HYDROGEN-PE  CL 13E3K  0  0  9 64E2 RP-TK CLS&OVRTN                      TK TRLR  0 02 1
611. 4/21/72 NACOGDCH,TX AMM-NITRATE   CX 80E1K  0  0 99 72E0 RP-NT SHRP OBJ    IMP LDG            PLSTC BG 0 02 1
612. 4/22/72 99      ,99 HYDROGEN-PE   CL 82E1K  1  0  5 35E3 RP-NT CONTR FLRE OVRTURN            STL DRUM 0 02 1
613. 4/23/72 HARRISBG,PA INSECTICIDE   BP  1E0L  0  0 99  0E9 RP-NT SHRP OBJ                                0 01 1
614. 4/24/72 MEMPHIS ,TN ANTI-FREEZE   FL 30E2L  0  0  7  0E9 RP-TK SHRP OBJ    UNKNOWN            TK CR RR 0 02 6
615. 4/26/72 BOONTON ,NJ SOD-NITRITE   OX 95E0L  0  0  1 10E0 TS FL HSE,CPL FA PRNSLL ERR         TK TRLR  0 21 1
616. 4/26/72 DALLAS  ,TX PERACETIC-A   OX 57E0L  0  0  1 50E2 RP-NT LSE CP,CVR                     STL DRUM 0 02 1
617. 4/26/72 LOUISVLE,KY MURIATIC-AC   CL 14E3L  0  0  4 39E1 RP-TK CONTR FLRE MTRL DFCT          TK TRLR  0 02 1
618. 4/27/72 ROSEVILL,MN ORGAN-PHOSP   BP  1E0K  0  0  1 20E1 OTHER UNKNOWN                        PA BAG   0 02 1
619. 4/27/72 HAZLCRST,IL VINYL-ACETA   FL 11E2L  0  0  1  0E9 RP-TK LSE CP,CVR GSKT FAIL          TK CR RR 0 02 1
620. 4/27/72 99      ,MD KEPONE-TECH   BP  7E0K  0  0  1  0E9 OTHER UNKNOWN                                 0 00 5
621. 4/28/72 BELLVIEW,MD SULFURIC-AC   CL 20E2L  0  0  1 10E1 RP-TK LKG CVR     OVRTURN            TK TRLR  0 02 1
622. 4/29/72 CORINTH ,KY CHRO-ACI-SL   BP 49E0L  0  0  1 60E0 RP-NT CONTR FLRE IMP LDG            GLS CRBY 0 02 1
623. 4/30/72 QUINCY  ,MA INDUS-WASTE   UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                 0 00 6
624. 5/ 1/72 W-MIDLSX,PA SODIUM-ARSI   BP  1E0K  0  0  1  0E9 RP-NT SHRP OBJ                       STL PAIL 0 51 1
625. 5/ 1/72 SNTA-CLA,CA ETH-PARATHI   BP 11E0L  0  0  2 26E1 RP-NT CONTR FLRE UNKNOWN            STL DRUM 0 02 1
626. 5/ 1/72 STONEWAL,TX SALT-WATER    UN 24E3L  0  0  3  0E9 OVRFW HSE,CPL FA MTRL DFCT          PIPES    0 00 6
627. 5/ 2/72 GREENSBR,NC SULFURIC-AC   CL 76E1L  0  0  1 78E0 RP-TK LSE CP,CVR PRNSLL ERR         TK TRLR  0 01 1
628. 5/ 2/72 CARLSTDT,NJ CARBOLIC-AC   BP 15E1L  0  0  3 32E0 OVRFW MECH FAIL                      TK TRLR  0 01 1
629. 5/ 2/72 NACOGDCH,TX AMM-NITRATE   OX 72E2K  0  0 99 76E0 RP-NT SHRP OBJ    IMP LDG            PLSTC BG 0 02 1
630. 5/ 2/72 NACOGDCH,TX AMM-NITRATE   CX 57E1K  0  0 99 50E0 RP-NT SHRP OBJ    IMP LDG            PLSTC BG 0 02 1
631. 5/ 3/72 GREENVIL,MS METH-PARTHI   BP  1E0L  0  0  1 10E1 RP-NT CONTR FLRE DFCTV WELD         STL DRUM 0 02 1
632. 5/ 3/72 SANDUSKY,OH MULTIPLE      BP  0E0U  0  0 99  0E9 OTHER UNKNOWN                        DUMP     2 03 6
633. 5/ 3/72 ENNIS   ,TX MULTIPLE      OX 76E1L  0  0  1  0E9 OTHER PRNSLL ERR                     TK CR RR 2 06 6
634. 5/ 3/72 ENNIS   ,TX SODIUM-CLAT   OX 38E0L  0  0  1  0E9 OTHER PRNSLL ERR                     TK CR RR 1 06 6
635. 5/ 3/72 ENNIS   ,TX CALCIUM-CHL   BP 38E1L  0  0  1  0E9 OTHER PRNSLL ERR                     TK CR RR 1 06 6
636. 5/ 3/72 SANDUSKY,OH COPPER-SULF   BP  0E0U  0  0 99  0E9 OTHER UNKNOWN                        DUMP     1 03 6
637. 5/ 3/72 SANDUSKY,OH SODIUM-CLID   UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                        DUMP     1 03 6
638. 5/ 4/72 SHREVPRT,LA METH-PARTHI   BP  4E0L  0  0  1 20E1 RP-NT CONTR FLRE DFCTV WELD         STL DRUM 0 02 1
639. 5/ 4/72 CHICAGO ,IL MURIATIC-AC   CL 59E2L  0  0  2 23E1 RP-TK CONTR FLRE MTRL DFCT          TK TRLR  0 00 1
640. 5/ 4/72 NACOGDCH,TX AMM-NITRATE   OX 16E2K  0  0 99 14E1 RP-NT SHRP OBJ    IMP LDG            PLSTC BG 0 02 1
641. 5/ 4/72 CHICAGO ,IL LIME-SLAKED   CL 68E4L  0  0  6  0E9 RP-TK SHIP SANK                      BARGE TK 0 02 6
642. 5/ 4/72 SEATTLE ,WA CAUS-SODA     CL  0E0U  0  0 99  0E9 OVRFW INTNL REL   PRNSLL ERR         BARGE TK 0 01 6
643. 5/ 4/72 IRONTON ,OH INDUS-WASTE   UN  0E0U  0  0 99  0E9 OVRFW FLOOD                          SETLG PD 0 05 6
644. 5/ 5/72 CINCINTI,OH ANILINE-OIL   BP  7E0K  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT          STL DRUM 0 02 1
645. 5/ 5/72 NEW-ORLN,LA SULFUR-MOLT   CL  0E0U  0  1 99  0E9 TS FL UNKNOWN                                 0 09 2
646. 5/ 5/72 MEMPHIS ,TN SULFURIC-AC   CL  0E0U  0  0 99  0E9 TS FL UNKNOWN                                 0 01 6
647. 5/ 5/72 ANTIOCH ,CA HYDROCHLORI   CL 36E4L  0  0 10  0E9 OVRFW UNKNOWN     UNKNOWN                     0 00 6
648. 5/ 5/72 PHILADEL,PA HYDROGEN-PE   CL 17E1K  0  0  3 52E0 OVRFW PRNSLL ERR UNKNOWN            TK TRLR  0 01 1
649. 5/ 7/72 99      ,MD CHEM-NOI      UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                 0 04 6
650. 5/ 8/72 CORAPOLS,PA ACETONE       FL 11E1L  0  0  1 12E0 RP-TK VALVE BKN                      TK TRLR  0 01 1
651. 5/ 8/72 OAKLAND ,CA DINITRO-PHE   BP  1E0L  0  0  1 15E1 RP-NT FORKLIFT    PRNSLL ERR         STL DRUM 0 52 1
652. 5/ 8/72 MEMPHIS ,TN SULFURIC-AC   CL 76E1L  0  0  1  0E9 TS FL UNKNOWN                                 0 01 2
653. 5/ 8/72 PORTLAND,OR MOLASSES      UN  2E0L  0  0  1  0E9 TS FL HSE,CPL FA                              0 01 6
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654. 5/ 9/72 NEW-ORLN,LA PARATHION-L  BP 11E0L  0  0  2  0E9 RP-NT CONTR FLRE MTRL DFCT                 STL DRUM C C2 1
655. 5/ 9/72 99       ,S9 PARATHION-L  BP  1E0K  0  0  1  0E9 RP-NT CONTR FLRE UNKNOWN                  STL PAIL 0 02 1
656. 5/ 9/72 SUNSET   ,LA AMM-NITRATE  OX 11E2K  0  0 99 70E0 RP-NT SHRP OBJ   IMP LDG                  PLSTC BG C C2 1
657. 5/ 9/72 NACOGDCH,TX AMM-NITRATE  OX 91E1K  0  0 99 80E0 RP-NT SHRP OBJ   IMP LDG                  PLSTC BG 0 C2 1
658. 5/ 9/72 COOKE    ,TX SALT-WATER   UN 18E4L  0  0  6  0E9 OVRFW HSE,CPL FA DFCTV WELD                PIPES    0 02 6
659. 5/10/72 S-BARTNV,IL MULTIPLE     UN   0E0U  0  0 99  0E9 TS FL HSE,CPL FA                                   2 04 3
660. 5/10/72 S-BARTNV,IL MOLTEN-METL  UN   0E0U  0  0 99  0E9 OVRFW BODY FLRE                                    1 C4 3
661. 5/10/72 S-BARTNV,IL HYDRAUL-OIL  UN   0ECL  0  0 99  0E9 TS FL HSE,CPL FA                                   1 C4 3
662. 5/10/72 BALTIMOR,MD SOD-SULFIDE  BP 47E2L  0  0  7  0E9 OVRFW MTRL DFCT                          PIPES    0 C3 5
663. 5/10/72 BALTIMOR,MD SOD-SULFIDE  BP 38E2L  0  0  7  0E9 RP-TK VALVE BKN                          STO TANK C C3 6
664. 5/10/72 BAKERSFI,CA HYDROCHLORI  CL 76ECL  0  0  1 13E1 RP-NT CONTR FLRE UNKNOWN                  STL DRUM 0 C1 1
665. 5/11/72 SKOKIE   ,IL CAUS-SODA    CL 19E1L  0  0  1 13E2 OVRFW VALVE BKN  UNKNOWN                  TK TRLR  0361 1
666. 5/11/72 GALES-FR,CT STYRENE      BP 11E1L  0  0  1  0E9 RP-TK CONTR FLRE UNKNOWN                  BARGE TK C 02 6
667. 5/11/72 WARREN   ,OH METAL-HYDRO  CL 87E4L  0  0  9  0E9 OVRFW UNKNOWN                                      0 04 6
668. 5/11/72 WARREN   ,OH INDUS-CHEM   UN 87E4L  0  0 99  0E9 OVRFW MECH FAIL                                    0 04 6
669. 5/12/72 MASON    ,WV PHENOLIC   2 FL   0ECU  0  0 99  0E9 OTHER UNKNOWN                                      C C0 6
670. 5/12/72 OAKLAND  ,CA INDUS-WASTE  UN   0ECU  0  0 99  0E9 OVRFW HSE,CPL FA                                   0 04 6
671. 5/12/72 MIDLAND  ,TX SALT-WATER   UN 41E2L  0  0  2  0E9 OVRFW HSE,CPL FA                          PIPES    0 02 6
672. 5/13/72 CAMP-HIL,PA POISON-NOI   BP 18E0L  0  0 99  0E9 RP-NT CONTR FLRE UNKNOWN                  STL PAIL C 02 1
673. 5/14/72 STOCKHLM,WI RESIN-SOLUT  FL 38E3L  0  0 99  0E9 RP-TK DRLMENT                            TK CR RR C 02 6
674. 5/14/72 AUSTIN   ,MN SULFURIC-AC  CL 14E3L  0  0  4  0E9 OVRFW OPN VALVE  PRNSLL ERR                          C C3 6
675. 5/14/72 GRAMERCY,LA ANT-PENTACH  CL 23E2K  0  0  3  0E9 OVRFW CONTR FLRE MTRL DFCT                STO TANK C C3 6
676. 5/15/72 CLIMAX   ,CO SULFURIC-AC  CL 38E2L  0  0  2 12E2 RP-TK OPN VALVE  PRNSLL ERR               TK TRLR  C 01 1
677. 5/15/72 HENDRSON,NV HEAT XFR OIL UN 76E1L  0  0 99  0E0 RP-TK MTRL DFCT                          SLUDGE D 0 C4 3
678. 5/15/72 URAVAN   ,CO SULFUR-MOLT  CL 18E3K  0  0  2  0E9 RP-TK CONTR FLRE OVRTURN                  TK TRLR  0 C2 6
679. 5/15/72 CLIMAX   ,CO SULFURIC-AC  CL 11E3L  0  0  3  0E9 RP-TK CONTR FLRE UNKNOWN                  STO TANK C C0 6
680. 5/15/72 CLEVLAND,OH INDUS-WASTE  UN   0E0U  0  0 99  0E9 OVRFW UNKNOWN                                      C C4 6
681. 5/15/72 LEFORE   ,ND WHEY-IND-WS  UN   0E0L  0  0 99  0E9 OVRFW UNKNOWN                            SETLG PD C 05 6
682. 5/15/72 EUCLID   ,OH INDUS-WASTE  UN   0E0U  0  0 99  0E9 OVRFW UNKNOWN                                      0 04 6
683. 5/16/72 FAIRLESH,PA MURIATIC-AC  CL 38E1L  0  0  1 25E0 RP-TK VALVE BKN                          TK TRLR  C 01 1
684. 5/16/72 ATLANTA  ,CA METH-PARTHI  BP  1E0L  0  0  1 46E0 RP-NT CONTR FLRE DFCTV WELD                STL DRUM 0 C2 1
685. 5/16/72 MINCO-JC,OH IND-WST-FEO  UN 76E1K  0  0 99  0E9 OVRFW HSE,CPL FA UNKNOWN                  PIPES    0 C3 6
686. 5/16/72 99       ,PA INDUS-WASTE  UN 21E1L  0  0 99  0E9 OVRFW PRNSLL ERR UNKNOWN                           C C0 6
687. 5/16/72 W-LAFAYT,OH PHOS-PENTAS  FS 51E3K  0  0 10  0E9 RP-TK FIRE       UNKNOWN                  BK CR RR C 02 6
688. 5/16/72 CARBON   ,PN SULFURIC-AC  CL 27E2L  0  0  2  0E9 RP-NT CONTR FLRE DRLM&OVRTN               ST BATT  C 02 6
689. 5/17/72 SOUTHGAT,CA PARATHION-L  BP  1E0L  0  0  1 23E1 RP-NT SHRP OBJ   UNKNOWN                  STL PAIL 0 02 1
690. 5/17/72 AZUSA    ,CA INK          FL 57ECL  0  0 99 11E1 RP-NT SHRP OBJ   IMP LDG                  STL PAIL 0 02 1
691. 5/17/72 EXTON    ,PA ZIRCONIUM    FS 91E1K 10  0  1  0E0 OVRFW MECH FAIL                          CKG/MX T 0 04 3
692. 5/17/72 MARION   ,OH DRYING-COMP  UN 11E2L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED                           0 03 6
693. 5/17/72 99       ,MC INDUS-WASTE  UN 16E1L  0  0 99  0E9 OVRFW UNKNOWN                                      0 02 6
694. 5/17/72 N-FLORNC,PA IND-CHEMNOI  UN   0ECU  0  0 99  0E9 OVRFW UNKNOWN                                      0 00 6
695. 5/17/72 KANAWA-R,WV INDUS-WASTE  UN 38E2L  0  0 99  0E9 OVRFW OPN VALVE                                    C C4 6
696. 5/17/72 SLT-LK-C,UT SODIUM-HYPO  CL 11E2L  0  0  6  0E9 OVRFW VALVE BKN                          STO TANK 0 03 6
697. 5/17/72         ,MD XYLENE       FL 19E1L  0  0  1  0E9 OVRFW UNKNOWN                            STO TANK C C1 6
698. 5/18/72 NACOGDCH,TX AMM-NITRATE  OX 54E1K  0  0 99 48E0 RP-NT SHRP OBJ   IMP LDG                  PLSTC BG 0 02 1
699. 5/18/72 CHICAGO  ,IL TOLUENE      FL 21E1L  0  0  3 22E1 RP-NT SHRP OBJ                           STL DRUM 0 11 1
700. 5/18/72 BEDFORD  ,MI FERRIC-CHLO  OX 15E3L  0  0  6  0E9 OVRFW RPTRD PIPE UNKNOWN                  STO TANK C 03 6
701. 5/19/72 MOBILE   ,AL ARS-MIXTURE  BP  8ECL  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT                STL PAIL C 02 1
702. 5/19/72 N-PLATTE,NB WEED-KILLER  BP 38ECL  0  0 99 95E0 RP-NT CONTR FLRE MTRL DFCT                STL DRUM 0 02 1
703. 5/19/72 PLNTYWOD,MT SALT-WATER   UN 16E3L  0  0  2  0E9 OVRFW HSE,CPL FA UNKNOWN                  PIPES    0 02 6
704. 5/20/72 RICHMOND,IN INSECTICIDE  BP  1E0L  0  0 99 10E0 RP-NT CONTR FLRE UNKNOWN                  STL DRUM C 02 1
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705. 5/20/72 FAIR-PLY,SC CARBOLIC-AC  BP 38E2K  0  0  7 80E0 RP-TK LSE CP,CVR CLS&CVRTN                                TK TRLR  C C2 1
706. 5/20/72 PITTSBRG,PA ALCOHOL-UNS  FL  8E0L  0  0  1  0E9 TS FL UNKNOWN                                                       0 01 6
707. 5/21/72 RIDGECRS,CA ISOBORENE-D  BP  1ECK  0  0  1 25E0 RP-NT CONTR FLRE MTRL CFCT                                 STL PAIL C 02 1
708. 5/21/72 CARROLTN,CA HYDRAUL-OIL  UN  0ECU  0  0 99  0E9 TS FL HSE,CPL FA MLTN METAL                                          1 04 3
709. 5/21/72 CARROLTN,CA COPPER-MLTN  UN  0ECU  0  0 99  0E9 OVRFW MECH FAIL                                                     1 04 3
710. 5/21/72 CARROLTN,CA MULTIPLE     UN  0ECU  0  0 99  0E9 OVRFW                                                               2 04 3
711. 5/22/72 99      ,NJ INDUS-WASTE  UN  0ECU  0  0 99  0E9 CVRFW UNKNCWN                                                       C C0 6
712. 5/22/72 PAWTUXET,RI INDUS-WASTE  UN  0E0U  0  0 99  0E9 CVRFW UNKNOWN                                         PIPES    0 00 6
713. 5/22/72 STUBNVIL,CH IND-WST-FEO  UN 76E2L  0  0 99  0E9 OVRFW MECH FAIL  UNKNCWN                                             0 04 6
714. 5/23/72 HOME    ,PA METH-ETYL-K  FL 11E3L  1  0  3 53E2 RP-TK LSE CP,CVR OVRTURN                                  TK TRLR  C C2 1
715. 5/23/72 KENOVA  ,WV HEPTANE      FL 19E2L  0  0  1  0E9 OVRFW VALVE BKN  MECH FAIL                                PIPES    0 C2 6
716. 5/23/72 MARTNS-F,CH IND-WST-IRN  UN  0E0U  0  0 99  0E9 CVRFW UNKNCWN                                         PIPES    C C4 6
717. 5/23/72 MINGO-JC,OH IND-WST-FEO  UN  0E0U  0  0 99  0E9 CVRFW INTNL REL                                       PIPES    C 04 6
718. 5/23/72 PITTSBRG,PA INDUS-WASTE  UN  0ECU  0  0 99  0E9 OVRFW MECH FAIL                                                     C 04 6
719. 5/23/72 MONTAGUE,TX SALT-WATER   UN 23E3L  0  0  3  0E9 OVRFW HSE,CPL FA MTRL CFCT                                PIPES    C 02 6
720. 5/24/72 COLUMBIA,SC CAUS-SODA    CL 38E1L  0  0  1 50E0 RP-TK UNKNOWN                                             TK CR RR C 01 1
721. 5/24/72 SHARNVIL,CH SODIUM-ARSI  BP  1ECK  0  0  1  0E9 RP-NT LSE CP,CVR                                          STL DRUM C 02 1
722. 5/24/72 OMAHA   ,NB ORGAN-PHOSP  BP  8E0L  0  0  1  0E9 RP-NT LSE CP,CVR                                          STL DRUM C 02 1
723. 5/24/72 FRST VEW,IL INK          FL 22E3L  0  0  4  0E0 RP-NT EXPLOSION  FIRE                 ELCT ARCNC STL DRUM 2 03 3
724. 5/24/72 FRST VEW,IL PLASTICIZER  FL 22E3L  0  0  4  0E0 RP-NT EXPLOSION  FIRE                 ELCT ARCNG STL DRUM 2 03 3
725. 5/24/72 FRST VEW,IL NITROCELULO  FL 22E3L  0  0  4  0E0 RP-NT EXPLCSION  FIRE                 ELCT ARCNC STL DRUM 2 03 3
726. 5/24/72 FRST VEW,IL MULTIPLE     FL 66E3L  C  0  4  0E0 RP-NT EXPLCSION  FIRE                 ELCT ARCNC STL DRUM 3 C3 3
727. 5/24/72 BOSTON  ,MA INDUS-WASTE  LN  0E0U  0  0 99  0E9 CVRFW UNKNCWN                                         PIPES    C 02 6
728. 5/24/72 99      ,NJ INDUS-WASTE  UN  0E0U  0  0 99  0E9 CTHER UNKNCWN                                                       C C4 6
729. 5/25/72 POCATELO,IC CYANIMD-POI  CL 14E0K  0  0  1 10E1 RP-NT MTRL DFCT                                        PA BAG   0 C2 1
730. 5/25/72 SILVAS  ,IL MOLTEN-METL  UN  0ECU  0  0 99  0E9 CVRFW BCDY FLRE                                                     1 C4 3
731. 5/25/72 SILVAS  ,IL HYDRALL-OIL  UN  0ECU  0  0 99  0E9 TS FL HSE,CPL FA MLTN METAL                                         1 04 3
732. 5/25/72 SILVAS  ,IL MULTIPLE     UN  0ECU  0  0 99  0E9 TS FL HSE,CPL FA MLTN METAL                                         2 C4 3
733. 5/25/72 ORLANDO ,FL HYDROCHLORI  CL  4ECK  0  0  1 54E0 RP-NT UNKNCWN    UNKNOWN                             GLS BTLS C 01 1
734. 5/26/72 FREMONT ,CA CARBOLIC-AC  BP 80E2K  0  0  8 40E3 RP-TK UNKNOWN    COLLSN          PRNSLL ERR          TK TRLR  C 02 1
735. 5/26/72 99      ,S9 SODIUM-HYDX  CM 34E1K  C  0  1 27E1 RP-NT UNKNCWN                                         STL DRUM C 01 1
736. 5/27/72 RIDGEVIL,IN AMM-NITRATE  OX 76E2K  0  0 99  0E9 RP-TK DRLMENT    UNKNCWN                             BK CR RR 0 02 1
737. 5/27/72 TULSA   ,CK CYANIDE      BP  0E0U  0  0 99  0E9 CTHER UNKNCWN                                                       0 02 6
738. 5/29/72 PHILADEL,PA AMM-NITRATE  OX 68E3K  0  0 10 18E3 RP-TK LSE CP,CVR DRLM&CVRTN UNKNOWN                       BK CR RR 1 02 1
739. 5/29/72 PHILADEL,PA MULTIPLE     CL 12E4K  0  0 10 18E3 RP-TK                                                     TK CR RR 2 02 1
740. 5/29/72 PHILADEL,PA NITRIC-ACID  CL 52E3K  0  0 10 80E1 RP-TK SHRP CBJ   DRLMENT    UNKNOWN                                 1 02 1
741. 5/29/72 ASHMORE ,IL NITRIC-ACID  CL 19E3L 11  0  9  0E9 RP-TK UNKNCWN    DRLMENT                             TK CR RR 0 02 6
742. 5/30/72 CHATANGA,TN CAUS-SODA    CL 11E2K  0  0  2 15E1 RP-TK UNKNOWN                                             TK CR RR 0 02 1
743. 5/30/72 EDGEWOOD,IL ETH-DIBROMI  BP  0E0L  0  0 99  0E9 RP-TK UNKNCWN    DRLMENT                             TK CR RR C 02 6
744. 5/31/72 NEVIL-IS,PA SULFURIC-AC  CL 57E2L  0  0  1 36E0 CVRFW PRNSLL ERR                                       STO TANK C 51 1
745. 5/31/72 TACOMA  ,WA HERBICIDE    BP  4E0L  0  0  9  0E9 OVRFW PRNSLL ERR GAU MS/DFC                            STO TANK 0 03 6
746. 5/31/72 STEUBENV,OH INDWST-FEO   UN 76E2L  0  0 99  0E9 RP-NT OPN VALVE                                       PIPES    0 04 6
747. 5/31/72 EVERETT ,WA K72-POT-PE   BP 57E2L  0  0  5  0E9 CVRFW UNKNOWN                                         SETLG PD 0 05 6
748. 6/ 1/72 MAMOTH-J,NJ SODIUM-ARSI  BP 76ECL  0  0  5  0E9 RP-NT CONTR FLRE MTRL DFCT                              STL DRUM 0 C2 1
749. 6/ 1/72 SAVANNAH,CA SULFURIC-AC  CL 15E1L  0  0  1 30E2 ITLRL UNKNOWN                                         TK TRLR  0 02 1
750. 6/ 3/72 OPECALE ,MA MOLTEN-METL  UN  0ECU  0  0 99  0E9 OVRFW BODY FLRE                                                     C 04 3
751. 6/ 3/72 NEW-BRUN,   SUGAR-LIQUI  UN 59E3K  0  0 99 16E3 OVRFW HSE,CPL FA DFCTV WELD PRNSLL ERR                  STO TANK C C4 3
752. 6/ 5/72 PHOENIX ,AZ INSECTICIDE  BP  8E0L  0  0 99 19E0 CTHER UNKNOWN                                         GBTL/CTN 0 02 1
753. 6/ 5/72 TWIN-FLS,ID INSECTICIDE  BP 76ECL  0  0 99 40E1 RP-NT SHRP OBJ    IMP LCC                             STL DRUM C 02 1
754. 6/ 5/72 BOISE   ,ID WEED-KILLER  BP  2ECL  0  0 99 50E0 RP-NT CONTR FLRE CFCTV WELD                              STL DRUM 0 C2 1
755. 6/ 5/72 BELCAMP ,MD NEOSOL       FL  0E0U  0  0 99  0E0 OVRFW MECH FAIL                                       DIP TANK 0 04 3
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756. 6/ 5/72 BALTIMOR,MD CHEM-NOI     UN  0E0U 0 0 99  0E9 OVRFW PRNSLL ERR UNKNOWN                           0 01 5
757. 6/ 7/72 SWEETH2O,WY RESIN-SOLUT  FL 13E3L 0 0 99  0E9 RP-TK VALVE BKN                          TK TRLR    0 02 6
758. 6/ 8/72 CHATNOGA,TN CAUS-SODA    CL 23E2L 0 0  3 27E1 OVRFW VALVE BKN                          TK TRLR    0361 1
759. 6/ 8/72 STUNS-PT,WI PARATHION-L  BP  8E0L 3 0  2 10E2 RP-NT FORKLIFT    PRNSLL ERR                        0 01 1
760. 6/ 8/72 RICHMOND,VA ORGAN-PHOSP  BP  9E0K 0 0  1  0E9 RP-NT CONTR FLRE UNKNOWN                 PA BAG     0 02 1
761. 6/ 9/72 DUSON    ,LA AMM-NITRATE OX 36E1K 0 0 99 30E0 RP-NT SHRP OBJ    IMP LDG                PA BAG     0 02 1
762. 6/ 9/72 DUSON    ,LA AMM-NITRATE OX 32E1K 0 0 99 28E0 RP-NT SHRP OBJ    IMP LDG                PA BAG     0 02 1
763. 6/ 9/72 CINCINAT,OH DINITRO-PHE  BP 34E1L 0 0  4 10E1 RP-NT CONTR FLRE                         STL DRUM   0 02 1
764. 6/ 9/72 CEDARCTY,UT PHOS-ANHYDR  UN 21E2L 0 0  1 51E2 RP-NT CONTR FLRE COLLSN                  STL DRUM   0 00 1
765. 6/ 9/72 MEMPHIS ,TN METH-PARTHI  BP   0E0 0 0 99  0E9 RP-NT CONTR FLRE MTRL DFCT               STL DRUM   0 02 1
766. 6/ 9/72 99      ,99 METH-PARTHI  BP  8E0L 0 0  2  0E9 RP-NT CONTR FLRE DFCTV WELD              STL DRUM   0 02 1
767. 6/ 9/72 SAN-PAEL,CA INDUS-WASTE  UN  0E0U 0 0 99  0E9 OVRFW HSE,CPL FA                         PIPES      0 02 6
768. 6/10/72 CHAPLTON,TN CAUS-SODA    CL 75E0L 0 0  1 63E1 OVRFW LSE CP,CVR PRNSLL ERR              TK TRLR    0 02 1
769. 6/10/72 ST-CLOUD,MN HYDRAUL-OIL  UN 38E1L 0 0 99  0E9 TS FL HSE,CPL FA EXPLOSION                          1 04 3
770. 6/10/72 ST-CLOUD,MN MULTIPLE     UN 76E1L 0 0 99  0E9 TS FL HSE,CPL FA EXPLOSION                          2 04 3
771. 6/10/72 ST-CLOUD,MN RESIN-SOLUT  FL 38E1L 0 0 99  0E9 RP-TK CONTR FLRE EXPLOSION                          1 04 3
772. 6/13/72 KINGS-MT,KY DINITRO-PHE  BP 30E0L 0 0  4 20E0 RP-NT SHRP OBJ    IMP LDG                STL DRUM   0 81 1
773. 6/13/72 JOLIET  ,IL SULFURIC-AC  CL 30E1L 0 0  1 14E0 TS FL MTRL DFCT   UNKNOWN                TK TRLR    0 50 1
774. 6/13/72 ULESLACO,TX METH-PARTHI  BP  4E0L 0 0  1  0E9 RP-NT CONTR FLRE DFCTV WELD              STL DRUM   0 02 1
775. 6/13/72 CHESAPKE,VA MNOCYCLOHEX  FL 42E1L 0 0  1  0E9 RP-NT CONTR FLRE DROPPED                 STL DRUM   0 01 1
776. 6/14/72 SLT-LK-C,UT CHLORDANE    BP  4E0L 0 0  1  0E9 RP-NT CONTR FLRE IMP LDG                 GBTL/CTN   0 02 1
777. 6/14/72 PUERTO-R,   FLAM-LIQ-UN  FL  0E0U 0 1 99  0E9 OVRFW UNKNOWN                            STO TANK   0 05 3
778. 6/15/72 ST-FRNCS,AR ETH-DICHLOR  FL 83E1K 0 0  2 20E2 RP-NT SHRP OBJ    COLLSN     UNKNOWN     STL DRUM   0 02 1
779. 6/15/72 ENGLWOOD,NJ CHLOROSULFO  CL 19E1L 0 0  1 50E0 RP-TK CONTR FLRE DFCTV WELD              TK TRLR    0 02 1
780. 6/15/72 HOUSTON ,TX METHANOL     FL 11E2L 2 0  1  0E0 RP-NT EXPLOSION   CHMCAL RE  FORGN SUBS  STL DRUM   2 04 3
781. 6/15/72 HOUSTON ,TX FORMALDEHYD  FL 11E2L 2 0  1  0E0 RP-NT EXPLOSION   CHMCAL RE  FORGN SUBS  STL DRUM   2 04 3
782. 6/15/72 HOUSTON ,TX CAUS-SODA    CL  0E0U 2 0  1  0E0 RP-NT EXPLOSION   CHMCAL RE  FORGN SUBS  STL DRUM   2 04 3
783. 6/15/72 HOUSTON ,TX MULTIPLE     FL 21E1L 2 0  1  0E0 RP-NT EXPLOSION   CHMCAL RE  FORGN SUBS  STL DRUM   3 04 3
784. 6/15/72 BALTIMOR,MD PAINT-THINR  FL 76E2L 0 0 99  0E9 RP-TK UNKNOWN                            STO TANK   0 01 6
785. 6/15/72 BALTIMOR,MD PAINT-THINR  FL 76E2L 0 0  3  0E9 RP-TK UNKNOWN                            STO TANK   0 03 6
786. 6/16/72 READING ,PA PARATHION-L  BP  8E0L 0 0  2 35E2 RP-NT SHRP OBJ    IMP LDG                STL PAIL   0 02 1
787. 6/16/72 PINE-BLF,AR CAUS-SODA    CL 90E1L 0 0  2 50E0 OVRFW OPN VALVE   PRNSLL ERR             TK TRLR    0 01 1
788. 6/16/72 S-CHRLST,OH HYDROCHLORI  CL 19E0L 0 0  1 65E1 RP-NT LSE CP,CVR                         PBTL/CTN   0 02 1
789. 6/19/72 DOWNIGTN,PA SILICON-CHL  CL 38E1L 0 0  1 25E1 OVRFW PRNSLL ERR                         STO TANK   0 01 1
790. 6/19/72 BATORUCE,LA SULFURIC-AC  CL 79E1L 0 0  1 28E1 ITLRL PRNSLL ERR                         TK TRLR    0 01 1
791. 6/19/72 BALTIMOR,MD CHEM-NOI     UN  0E0U 0 0 99  0E9 OVRFW UNKNOWN                                       0 04 6
792. 6/20/72 DEERFLD ,MA PARATHION-L  BP  1E0K 0 0  1  0E9 RP-NT LSE CP,CVR                         STL PAIL   0 02 1
793. 6/20/72 ULESLACO,TX PARATHION-L  BP  4E0L 0 0  1 10E2 RP-NT CONTR FLRE                         STL DRUM   0 01 1
794. 6/20/72 ROANOKE ,VA INSECTICIDE  BP  3E0L 0 0 99 15E0 RP-NT CONTR FLRE DROPPED                 GBTL/CTN   0 02 1
795. 6/21/72 N-LAKE  ,IL CAUS-SODA    CL 19E1L 0 0  1  5E0 OVRFW PRNSLL ERR GAU MS/DFC              STO TANK   0 01 1
796. 6/22/72 BALTIMOR,MD CALCIUM-HYD  CL 45E1K 0 0  1  0E9 OTHER FLOOD                                         0 03 3
797. 6/23/72 LAKE-CHA,LA CHLOROSULFO  CL  1E0L 3 0  1 35E1 RP-NT CONTR FLRE UNKNOWN                 GBTL/CTN   0 01 1
798. 6/24/72 WHTE SPG,FL SULFURIC-AC  CL 11E5L 0 0  9 50E3 RP-TK MTRL DFCT   O V R F W              CKG/MX T   0 04 3
799. 6/24/72 IMPERIAL,CA MULTIPLE     BP 54E2K 0 0  8  0E9 OVRFW EXPLOSION   FIRE                              3 01 6
800. 6/24/72 IMPERIAL,CA THIMET       BP 18E2K 0 0  1  0E9 OVRFW EXPLOSION   FIRE                              2 01 6
801. 6/24/72 IMPERIAL,CA HERBICIDE    BP 18E2K 0 0 99  0E9 OVRFW EXPLOSION   FIRE                              2 01 6
802. 6/24/72 IMPERIAL,CA PARATHION-L  BP 18E2K 0 0  9  0E9 OVRFW EXPLOSION   FIRE                              2 01 6
803. 6/26/72 BROOKFLD,WI WEED-KILLER  BP 95E0L 0 0 99 90E1 OVRFW INTNL REL   PRNSLL ERR             STO TANK   0 51 1
804. 6/26/72 KOURTZ  ,TX AMM-NITRATE  OX 28E2K 0 0 99 18E1 RP-NT SHRP OBJ    IMP LDG                PLSTC BG   0 02 1
805. 6/26/72 SLABTOWN,MD MULTIPLE     BP 83E3L 0 0 10  0E9 RP-TK SHRP OBJ    DRLMENT                TK CR RR   2 02 5
806. 6/26/72 SLABTOWN,MD SODA-ASH     UN  0E0U 0 0 10  0E9 RP-TK SHRP OBJ    DRLMENT                TK CR RR   1 02 5
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807. 6/26/72 SLABTOWN,MD PHENOL       BP 83E3L  0  0 10  0E9 RP-TK SHRP CBJ    DRLMENT                          TK CR RR 1 C2 5
808. 6/26/72 DENVER   ,CO HYDROCHLORI CL 76E1L  0  0  1  0E9 OVRFW INTNL REL   NMRL OP                                   0 C4 6
809. 6/26/72 GREELEY  ,CO ANH-AMMONIA UN  0E0U  0  0 99  0E9 CTHER INTNL REL   NMRL OP                          TRENCH   0 00 6
810. 6/27/72 MEMPHIS  ,TN WEED-KILLER BP 12E1L  0  0 99 15E0 RP-NT CONTR FLRE  MTRL CFCT                        STL DRUM C 02 1
811. 6/27/72 CAMDEN   ,NJ ISOPENTANE  FL 15E2L  0  0  1  0E9 RP-TK MTRL CFCT                                    TK CR RR C C2 1
812. 6/28/72 SAVANNAH,CA CAUS-SODA    CL 38E0L  1  0  1 25E0 TS FL HSE,CPL FA  OVRPRES          VALVE SHUT      TK TPLR  C361 1
813. 6/28/72 LAKEWOOC,CO INDUS-WASTE  UN  0E0U  0  0 99  0E9 CVRFW UNKNCWN                                               C C5 6
814. 6/29/72 INTRACST,LA SULFURIC-AC  CL 21E2L  C  0  1 14E1 OTHER UNKNCWN                                      TK TRLR  C 51 1
815. 6/29/72 PHOENIX  ,AZ ORGAN-PHOSP BP  4E0L  0  0  1 10E0 RP-NT FORKLIFT     PRNSLL ERR                       STL DRUM 0 51 1
816. 6/29/72 BALTIMOR,MC INDUS-WASTE  UN  0E0U  0  0 99  0E9 CTHER UNKNCWN                                               C C6 5
817. 6/29/72 WESTLEY  ,MT SALT-WATER  UN 20E2L  0  0  1  CE9 OVRFW HSE,CPL FA  MTRL CFCT                        PIPES    C 00 6
818. 6/30/72 TUSCON   ,AZ TIT-TETRACH CL  9E0L  0  0  1  0E9 RP-TK VALVE BKN   OVRPRES                          PRTBL TK C 02 1
819. 6/30/72 MCALLEN  ,TX METH-PARTHI BP 15E1L  0  0  6  0E9 RP-NT CONTR FLRE  CONTR FLRE                       STL DRUM C C2 1
820. 6/30/72 BILLINGS,MT CALCIUM-HYP  UN 14ECK  0  0  1 20E0 RP-NT SHRP OBJ    IMP LDG                          CDBD DRM C C2 1
821. 6/30/72 WEIMAR   ,TX AMM-NITRATE OX 14E2K  0  0 99 12E1 RP-NT SHRP OBJ    IMP LDC                          PA BAG   0 02 1
822. 6/30/72 GASTONIA,NC SOD PEROXIDE CL 34E0K  0  0  1  0E0 RP-NT EXPLOSION   FORCN SUBS LSE CP.CVR            STL DRUM C C3 3
823. 7/ 1/72 99       ,NC SULFURIC-AC CL 38E0L  0  0  1  0E9 RP-TK COLLSN      UNKNOWN                          TK TRLR  0 02 2
824. 7/ 3/72 SLT-LK-C,UT WEED-KILLER  BP  1E0L  0  0 99  0E9 RP-NT SHRP CBJ    UNKNCWN                          PLSTC DR 0 02 1
825. 7/ 3/72 FRESNO   ,CA ORGAN-PHOSP BP  4E0L  0  0  1 15E1 RP-NT CONTR FLRE  UNKNCWN                          STL DRUM C 02 1
826. 7/ 3/72 WOLCOTT  ,IN ALCOHOL-UNS FL 76E3L  0  0  6 20E3 RP-TK DRLMENT     SHRP OBJ          RDWY CONDS     TK CR RR C C2 1
827. 7/ 5/72 S-CHRLST,CH SULFURYL-CH  CL 38E0L  0  0  4 12E2 RP-NT CONTR FLRE  MTRL DFCT                        STL DRUM 0 02 1
828. 7/ 6/72 LOS-ANGL,CA MERCURY      BP  1EGL  0  0  1 25E1 CTHER UNKNCWN                                      GLS CRBY C C2 1
829. 7/ 9/72 NILES    ,OH SULFURIC-AC CL 21E1L  0  0  1 50E0 RP-NT CONTR FLRE  UNKNOWN                          STL DRUM C 02 1
830. 7/10/72 SYRACUSE,NY WASTE-PICKL  CL 76E2L  0  0  3 20E1 RP-TK BODY FLRE   MTRL CFCT                        TK TRLR  0 01 1
831. 7/10/72 N-ORLENS,LA WEED-KILLER  BP 10E1L  0  0 99 75E0 RP-NT CONTR FLRE  CROPPEC                          STL DRUM C 02 1
832. 7/10/72 LINDEN   ,NJ SULFURIC-AC CL 39E3K  0  0  2 14E1 RP-TK SHRP OBJ    MECH FAIL                        TK TRLR  0 C2 1
833. 7/10/72 SLT-LK-C,UT INSECTICIDE  BP  4ECL  0  0 99 12E0 RP-NT CONTR FLRE  CROPPEC                          GLS BTLS 0 01 1
834. 7/10/72 TOLEDO   ,OH INSECTICIDE BP 19E0L  0  0 99 40E0 RP-NT SHRP OBJ                                     STL PAIL C 91 1
835. 7/10/72 WRIGHTS  ,IL METHANOL    FL 20E3K  0  0  4  0E9 RP-TK DRLMENT                                      TK CR RR 0 C2 1
836. 7/11/72 PHOENIX  ,AZ ORGAN-PHOSP BP  1E0K  0  0  1 59E0 RP-NT SHRP OBJ    UNKNCWN                          PA BAG   0 02 1
837. 7/11/72 STAUNTON,VA CLEANG-COMP  UN 15E1L  0  0 99  0E9 RP-NT CONTR FLRE  UNKNOWN                          STL DRUM 0 01 1
838. 7/12/72 HARTFORC,CT PARATHICN-L  BP 19ECL  0  0  3  1E3 RP-NT SHRP OBJ    IMP LDG                          STL PAIL 0 02 1
839. 7/13/72 WNSTN-SL,NC WEED-KILLER  BP  1E0L  0  0 99  0E9 RP-NT CONTR FLRE  MTRL CFCT                        STL PAIL 0 02 1
840. 7/13/72 GREENBRO,NC DICHLOROETH  BP 19ECL  0  0  1  0E9 RP-NT SHRP OBJ    UNKNOWN                          STL DRUM C 02 1
841. 7/13/72 CONWAY   ,PA FLUOSULFONI CL 45E1K  0  0  1 50E1 RP-TK LSE CP,CVR                                   TK CR RR 0 02 1
842. 7/13/72 TORONTO  ,   POLY-V-PYRO UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE  FIRE             VANDALISM       CDBD DRM 3 03 3
843. 7/13/72 TORONTO  ,   SULFURAT-PO CM  0ECU  C  0 99  0E9 RP-NT CONTR FLRE  FIRE             VANCALISM       CDBD DRM 3 03 3
844. 7/13/72 TORONTO  ,   MULTIPLE    UN  0ECU  0  0 99  0E9 RP-NT CONTR FLRE  FIRE             VANDALISM       CDBD DRM 4 C3 3
845. 7/13/72 TORONTO  ,   SOD-CAREGET UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE  FIRE             VANDALISM       CDBD DRM 3 03 3
846. 7/13/72 TORONTO  ,   ZINC-SULFAT UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE  FIRE             VANDALISM       CDBD DRM 3 03 3
847. 7/14/72 N-KANSAS,99 WEED-KILLER  BP 19E0L  0  0 99  0E9 RP-NT SHRP OBJ    UNKNOWN                          STL PAIL C 02 1
848. 7/14/72 KNOXVLLE,TN ALC-DENATUR  FL 38E3L  0  0  5  1E3 OVRFW UNKNOWN     UNKNCWN                          TK CR RR 0 C1 1
849. 7/16/72 NAHEOLA  ,AL BLACK-LIQUO UN 97E4L  0  0 99 12E4 RP-TK MECH FAIL   IMPR CNTNR                       STO TANK 0 C3 3
850. 7/16/72 DENVER   ,CO VINEGAR     CL  0ECU  0  0 99  0E9 CVRFW CONTR FLRE  BOCY FLRE                        STO TANK 0 C3 6
851. 7/17/72 MCALLEN  ,TX METH-PARTHI BP  4E0L  0  0  1 25E2 RP-NT CONTR FLRE  UNKNOWN                          STL DRUM 0 02 1
852. 7/17/72 AURORA   ,IL LAQUER      FL 19E1L  0  0  1  0E9 RP-NT MTRL CFCT   UNKNCWN                          STL DRUM 0 C1 1
853. 7/18/72 MONTGOMR,AL TOXAPHENE    BP 38E1L  0  0  1 30E1 TS FL HSE,CPL FA  UNKNCWN                          TK TRLR  C 51 1
854. 7/18/72 BALTIMOR,MD CHEM-NOI     UN  0ECU  0  0 99  0E9 TS FL HSE,CPL FA  UNKNCWN                                   0 02 5
855. 7/19/72 OPELOUSA,LA AMM-NITRATE  OX 70E1K  0  0 99 60E0 RP-NT SHRP OBJ    IMP LDG                          PA BAG   0 C2 1
856. 7/19/72 FT-MORGN,CO INK          FL 23E1L  0  0 99 10E2 RP-NT CONTR FLRE  MTRL DFCT                        TK TRLR  0 C2 1
857. 7/19/72 NEWORLNS,LA METH-PARTHI  BP  4ECL  2  0  1 15E0 RP-NT SHRP OBJ    DROPPED                          STL DRUM C991 1
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858. 7/19/72 TEXAS-CI,TX INDUS-WASTE  UN 95E0L  0  0 99  0E9 OVRFW UNKNOWN                                SHIP      0 00 6
859. 7/19/72 FT MRGAN,CO INK          FL 23E1L  0  0 99 10E2 RP-NT MTRL DFCT                              STL DRUM  0 01 1
860. 7/21/72 BALTIMOR,MD SULFURIC-AC  CL  0E0U  0  0 99  0E9 RP-TK UNKNOWN                                TK TRLR   0 02 5
861. 7/21/72 STONEWAL,TX SALT-WATER   UN 32E3L  0  0  3  0E9 OVRFW CONTR FLRE MTRL DFCT                   PIPES     0 02 6
862. 7/24/72 MEMPHIS ,TN INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED                     GBTL/CTN  0 01 1
863. 7/24/72 MIAMI   ,OK SOD-CHLOR-S  CL 23E0L  0  0 99 15E1 RP-NT LSE CP,CVR IMPR HNDLG                  GLS BTLS  0 02 1
864. 7/24/72 WILDWOOD,FL NITRIC-ACID  CL 27E2L  0  0  2 20E1 TS FL VALVE BKN                              TK TRLR   0 51 1
865. 7/25/72 CATAWBA ,SC CAUS-SODA    CL 38E0L  0  0  1 10E0 RP-TK LKG CVR    MECH FAIL                   TK CR RR  0 02 1
866. 7/25/72 BILLINGS,MT TET-ETH-PYR  BP  4E0L  0  0  1 60E0 RP-NT LSE CP,CVR                             GBTL/CTN  0 02 1
867. 7/26/72 MALCOLM ,IA INK          FL 44E1L  0  0 99 12E2 OVRFW MTRL DFCT  IMPR CNTNR                  STL DRUM  0 02 1
868. 7/26/72 CAMPHILL,PA ORGAN-PHOSP  BP  7E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                     STL PAIL  0 02 1
869. 7/26/72 RIVER-SD,CA MESITYL-OXI  FL 15E1L  3  0  1  0E9 OVRFW LKG CVR    MECH FAIL                   TK CR RR  0 02 6
870. 7/27/72 POCATELO,ID WEED-KILLER  BP 19E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                     STL PAIL  0 02 1
871. 7/27/72 CHICAGO ,IL SULFURIC-AC  CL 19E1L  0  0  1 50E0 TS FL HSE,CPL FA OVRPRES    VALVE BKN       TK TRLR   0311 1
872. 7/27/72 RICHMOND,CA WET NI-CELO  FL 21E1L  0  0 99 22E1 RP-NT SHRP OBJ   IMP LDG                     STL DRUM  0 02 1
873. 7/27/72 CLEVELND,OH SULFURIC-AC  CL 11E1L  0  0  1 60E0 RP-NT CONTR FLRE DROPPED                     STL DRUM  0 01 1
874. 7/27/72 CINCNATI,OH CAUS-SODA    CL 95E0L  0  0  1  0E9 OVRFW MECH FAIL  UNKNOWN                     BARGE TK  0 02 6
875. 7/28/72 OIL-CITY,PA AQUA-AMMONI  CL  0E0U  0  0 99  0E9 OVRFW INTNL REL  PRNSLL ERR                  STL DRUM  0 04 6
876. 7/29/72 RUSTON  ,LA SULFURIC-AC  CL 16E2L  2  0  1 14E3 RP-TK VALVE BKN  CLS&OVRTN                   TK TRLR   0 02 1
877. 7/31/72 GLOBE   ,AZ SULFURIC-AC  CL 11E3K  0  0  3 18E1 RP-TK SHRP OBJ   COLLSN     UNKNOWN         TK TRLR   0 02 1
878. 7/31/72 JEFFRSON,CO METHYLEN-BR  BP 76E1L  0  0  1  0E9 RP-TK UNKNOWN    OVRTURN                     TK TRLR   0 02 6
879. 8/ 1/72 LONGVIEW,WA HYDROGEN-PE  CL 63E1L  0  0  5  0E0 RP-NT SHRP OBJ   IMPR HNDLG INTNL REL       STL DRUM  0 71 1
880. 8/ 1/72 TAMPA   ,FL ORGAN-PHOSP  BP  4E0L  0  0  1  0E0 RP-NT CONTR FLRE IMP LDG                     GBTL/CTN  0 02 1
881. 8/ 3/72 MARIANNA,FL ACRY WD SLR  FL  0E0U  0  0 99  0E0 OVRFW FORGN SUBS SPKLRS DSC FIRE            DIP TANK  0 04 3
882. 8/ 4/72 N-LTL-RK,AR PARATHION-L  BP 17E0L  0  0  3  0E9 RP-NT SHRP OBJ   PRNSLL ERR                  STL PAIL  0 01 1
883. 8/ 4/72 LOUIS-UL,KY POISON-NOI   BP  1E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN                     STL DRUM  0 02 1
884. 8/ 4/72 99      ,99 SULFURIC-AC  CL 79E1L  0  0  1 50E0 RP-TK CONTR FLRE MTRL DFCT                   STO TANK  0 41 1
885. 8/ 5/72 MIDLAND ,TX SALT-WATER   UN 16E3L  0  0  2  0E9 OVRFW HSE,CPL FA MTRL DFCT                   PIPES     0 02 6
886. 8/ 7/72 IVORYRCK,PA MURIATIC-AC  CL 19E1L  0  0  1 10E0 TS FL HSE,CPL FA                             TK TRLR   0 51 1
887. 8/ 7/72 TOLEDO  ,OH INSECTICIDE  BP 19E0L  0  0 99 20E0 RP-NT CONTR FLRE IMPR HNDLG PRNSLL ERR      GBTL/CTN  0 01 1
888. 8/ 7/72 MOBILE  ,AL SULFURIC-AC  CL 23E0L  0  0  1 50E1 RP-TK SHRP OBJ   IMP LDG                     BK TRLR   0 02 1
889. 8/ 7/72 KANAWHAR,WV ETH-BUTYRAL  FL 11E3L  0  0  2  0E9 OVRFW UNKNOWN                                BARGE TK  0 01 2
890. 8/ 7/72 KANAWHAR,WV ETH-BUTYRAL  FL  0E0U  0  0 99 15E3 OVRFW GAU MS/DFC PRNSLL ERR                            0 01 2
891. 8/ 7/72 KANAWHA ,WV ETH-BUTYRAL  FL 11E3L  0  0  2  0E9 OVRFW PRNSLL ERR UNKNOWN                     BARGE TK  0 01 6
892. 8/ 8/72 YAKIMA  ,WA TET-ETH-PYR  BP 11E0L  0  0  2 10E1 RP-NT SHRP OBJ   IMP LDG                     STL PAIL  0 02 1
893. 8/ 9/72 CHARLOTE,NC CAUS-SODA    CL 19E0L  0  0  1 10E0 RP-TK CONTR FLRE UNKNOWN                     TK CR RR  0 02 1
894. 8/ 9/72 CROSBY  ,TX BUTYRIC-ACI  UN 50E1L  0  0  1  0E9 OVRFW CONTR FLRE EXPLOSION  CNTRL INOP      CDBD DRM  0 04 3
895. 8/ 9/72 HYTSVLLE,MD INK          FL 15E2L  0  0 99  0E9 RP-NT CONTR FLRE UNKNOWN                     STL DRUM  0 02 1
896. 8/ 9/72 DANVILLE,IL PAINT        FL 21E1L  0  0 99  0E9 RP-NT FORKLIFT                               STL DRUM  0 01 1
897. 8/11/72 FIREBOUG,CA DINITRO-PHE  BP  1E0L  0  0  1  0E9 RP-NT CONTR FLRE UNKNOWN                     STL DRUM  0 02 1
898. 8/11/72 CLRKSJCT,WY SULFURIC-AC  CL 17E3L  0  0  4 12E2 RP-TK SHRP OBJ   OVRTURN                     TK TRLR   0 02 1
899. 8/11/72 CAMP HIL,IL PAINT-THINR  FL 21E1L  0  0  1  0E9 RP-NT FORKLIFT                               STL DRUM  0 01 1
900. 8/12/72 PRKSBURY,PA FLARE MIX    UN  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC FIRE            PA BAG    1 03 3
901. 8/12/72 PRKSBURY,PA DELAYING MIX UN  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC FIRE            PA BAG    1 03 3
902. 8/12/72 PRKSBURY,PA MULTIPLE     UN  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC FIRE            PA BAG    2 03 3
903. 8/13/72 GEISMAR ,LA SULFURIC-AC  CL 57E0L  0  0  1 50E0 TS FL HSE,CPL FA UNKNOWN                     TK TRLR   0 21 1
904. 8/14/72 BAYONE  ,NJ MURIATIC-AC  CL 57E2L  0  0  2 19E2 RP-TK CONTR FLRE UNKNOWN                     TK TRLR   0 01 1
905. 8/14/72 S-CHICGO,IL HYDROCHLORI  CL 76E0L  0  0  1 30E0 TS FL MECH FAIL                              TK TRLR   0 01 1
906. 8/14/72 KINGS-MT,NC SULFURIC-AC  CL 18E0L  0  0  1 10E0 RP-TK LKG CVR    GSKT FAIL                   TK CR RR  0 02 1
907. 8/14/72 S.BEND  ,IN ORGAN-PHOSP  BP  4E0L  0  0  1  0E0 RP-NT CONTR FLRE MTRL DFCT                   STL PAIL  0 02 1
908. 8/16/72 BURLINGT,WI SULFURIC-AC  CL 57E0L  0  0  1 10E1 RP-NT CONTR FLRE MTRL DFCT                   RUBBR CN  0 01 1
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909. 8/18/72 GD RAPID,MI CYANIDE      BP  1E0K  0  0  1 10E0 RP-NT IMPR HNDLG PRNSLL ERR                         GBTL/CTN 0 C1 1
910. 8/21/72 MOCCASIN,MT MURIATIC-AC  CL 79E1L  0  0  1  0E9 RP-TK OVRTURN    UNKNOWN                            TK TRLR  0 02 1
911. 8/21/72 HEEKWAGA,NY ARSENIC ACI  BP 75E0L  0  0  5  0E0 RP-NT SHRP CBJ   IMP LDG                            FBRE DRM C C2 1
912. 8/21/72 PHOENIX ,AZ METH-PARTHI  BP  2E0L  0  0  1 43E1 RP-NT CONTR FLRE IMP LDG                            STL PAIL C 02 1
913. 8/22/72 CHICAGO ,IL HYDROCHLORI  CL 89E1L  0  0  2 85E1 OVRFW PRNSLL ERR GAU MS/DFC                         STO TANK C 51 1
914. 8/23/72 VICTOR  ,FL HYDRAUL-OIL  UN  0E0U  0  0 99  0E9 TS FL HSE,CPL FA FIRE                                       1 04 3
915. 8/23/72 VICTOR  ,FL MULTIPLE     FS  0E0U  0  0 99  0E9 TS FL HSE,CPL FA FIRE                                       2 C4 3
916. 8/23/72 VICTOR  ,FL PHOSPHORUS   FS  0E0U  0  0 99  0E9 TS FL HSE,CPL FA FIRE                                       1 C4 3
917. 8/25/72 DANVILLE,KY PHOS-TRICHL  CL 38E0L  0  0  1  0E5 RP-NT SHRP CBJ   IMP LDG                            STL DRUM 0 01 1
918. 8/25/72 LG BEACH,CA QUENCH OIL   FL  0E0U  0  0 99  0E0 OVRFW IMPR EG OP PRNSLL ERR                         DIP TANK 0 C4 3
919. 8/26/72 CAMP HIL,PA PAINT        FL 95E0L  0  0 99  0E9 RP-NT SHRP CBJ                                      STL DRUM 0 C2 1
920. 8/27/72 CNCNNATI,OH RESIN-SOLUT  FL 28E2L  0  0 99 80E0 RP-NT SHRP CBJ   UNKNOWN                            STL DRUM C C2 1
921. 8/28/72 HUDSON  ,WI CHLORINE     UN 18E0K  0  0  3  0E9 RP-TK CONTR FLRE UNKNOWN                            GA CYLDR C 03 6
922. 8/29/72 OPELOUSA,LA AMM-NITRATE  OX 54E1K  0  0 99 4850 RP-NT SHRP OBJ   IMP LDG                            PA BAG   0 02 1
923. 8/29/72 CORP-CHR,TX NAPTHA       FL  1E0L  0  0  1  0E9 TS FL LSE CP,CVR PRNSLL ERR                                  0 C1 2
924. 8/30/72 ALEXANDR,LA AMM-NITRATE  OX 15E2K  0  0 99 35E0 RP-NT SHRP OBJ   IMP LDG                            PLSTC BG 0 02 1
925. 8/30/72 PORTLAND,OR ORGAN-PHOSP  BP  1E0L  0  0  1 10E1 RP-NT CONTR FLRE MTRL DFCT                          STL DRUM C 02 1
926. 8/31/72 KILGORE ,TX HYDROCHLORI  CL 19E2L  0  0  3 75E0 TS FL HSE,CPL FA VHCL MVC    PRNSLL ERR              TK TRLR  C 21 1
927. 9/ 1/72 CACTUS J,CA METH-PARATH  BP  8E0L  0  0  2 20E3 RP-NT MTRL DFCT                                     STL PAIL 0 02 1
928. 9/ 1/72 DOWNGTON,PA SULFURIC-AC  CL 19E1L  0  0  1 15E0 OVRFW LSE CP,CVR PRNSLL ERR                         TK TRLR  0 51 1
929. 9/ 2/72 REFUGIO ,TX FORMALDEHYD  FL 91E2K  0  0  5  0E9 RP-TK CONTR FLRE OVRTURN                            BK TRLR  0 02 6
930. 9/ 4/72         ,PA GASOLINE AD  UN 57E3L  0  0 99  0E0 RP-NT EXPLOSION  FIRE        VANDALISM              STL PAIL 0 C3 3
931. 9/ 5/72 NACODOCH,TX AMM-NITRATE  OX 66E1K  0  0 99 60E0 RP-NT SHRP OBJ   IMP LDG                            PLSTC BG 0 C2 1
932. 9/ 5/72 JOLIET  ,IL ASPHALT      UN 15E2L  0  0 99  0E0 OVRFW PRNSLL ERR                                    CKG/MX T C493 3
933. 9/ 5/72 FARMVILL,NC FORMALDEHYD  FL 32E1K  0  0  5  0E9 CVRFW PRNSLL ERR                                    STO TANK 1 03 6
934. 9/ 5/72 FARMVILL,NC PHENOL       BP 32E1K  0  0  5  0E9 OVRFW PRNSLL ERR                                    STO TANK 1 03 6
935. 9/ 5/72 FARMVILL,NC MULTIPLEMIX  BP 64E1K  0  0  5  0E9 CVRFW PRNSLL ERR                                    STO TANK 2 03 6
936. 9/ 6/72 CLEVELND,OH CHRO-ACI-SL  BP 23E1K  0  0  1 50E1 RP-NT CONTR FLRE MTRL DFCT                          FBRE DRM 0 02 1
937. 9/ 7/72 LEXNGTON,TN MURIATIC-AC  CL 21E1L  0  0  2 14E0 OVRFW UNKNOWN                                       STO TANK 0 51 1
938. 9/ 8/72 ATLANTA ,GA SODIUM-HYDO  FS 10E0K  0  0  1 45E3 RP-NT CONTR FLRE OVRTURN     BRAKE FLRE              CDBD DRM C 02 1
939. 9/ 8/72 ST-LOUIS,MO SOD-NITRATE  OX 45E0K  0  0  1 50E0 RP-NT SHRP OBJ                                      PA BAG   0 01 1
940. 9/ 8/72 MIDLAND ,MI ISOPROPANOL  FL 19E1L  0  0  1  2E0 TS FL HSE,CPL FA BRAKE FLRE                         TK TRLR  C C1 1
941. 9/10/72 HENDRSON,KY HYDROCHLORI  CL 50E2L  0  0  4 10E2 RP-TK CONTR FLRE MTRL DFCT                          TK CR RR C 02 1
942. 9/11/72 PHOENIX ,AZ METH-PARTHI  BP  1E0L  0  0  1  0E9 RP-NT LSE CP,CVR                                    STL DRUM C C2 1
943. 9/12/72 BAKERSFL,CA MURIATIC-AC  CL 95E2L  0  0  3 50E1 RP-TK VALVE BKN  PRNSLL ERR                         TK TRLR  C 50 1
944. 9/12/72 LAREDO  ,TX THIONYL-CHL  CL 38E0L  0  0  1 50E2 RP-NT CONTR FLRE MTRL DFCT                          STL DRUM 0 02 1
945. 9/13/72 WAVERLY ,PA ISOPRG-ACET  FL 20E1L  0  0  1  0E9 RP-TK VALVE BKN  UNKNOWN                            TK TRLR  0362 1
946. 9/13/72 ST-LOUIS,MO INSECTICIDE  BP  4E0L  0  0 99 50E1 RP-NT CONTR FLRE UNKNOWN                            GBTL/CTN 0 02 1
947. 9/13/72 BALTMORE,MD ASPHALT      UN 15E3L  0  0 99  0E0 CVRFW FORGN SUBS SPKLRS DSC FIRE                    DIP TANK 0 04 3
948. 9/14/72 CHEEK   ,TX CAUS-SODA    CL 19E1L  0  0  1 13E1 TS FL HSE,CPL FA MECH FAIL                          TK TRLR  C 51 1
949. 9/14/72 BRIMFILD,MA THIONYL-CHL  CL 57E0L  0  0  2 45E1 RP-NT CONTR FLRE DFCTV WELD                         STL DRUM 0 02 1
950. 9/14/72 LAUREL  ,MD CALCIUM-CAR  UN  0E0U  0  0 99  0E9 OTHER FIRE                                                   0 06 6
951. 9/14/72 CLEVLAND,OH XYLOL        FL 57E3L  0  0  6  0E9 CVRFW PRNSLL ERR                                    STO TANK C 03 6
952. 9/14/72 HOUSTON ,TX LACQUER      FL 38E1L  0  0  1 20E1 TS FL HSE,CPL FA MTRL DFCT                          TK TRLR  0 01 1
953. 9/15/72 BALTIMOR,MD CHEM-NOI     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN    DFCTV WELD                                  0 00 6
954. 9/16/72 BIRMINGH,AL CAUS-POT-LI  CL  5E0K  0  0  1 20E0 RP-NT DROPPED                                                0 01 1
955. 9/16/72 BATNRUGE,LA SULFURIC-AC  CL 19E1L  0  0  2 25E3 RP-TK OPN VALVE  PRNSLL ERR                         TK TRLR  C362 1
956. 9/17/72 CHICAGO ,IL HYDROCHLORI  CL 95E2L  0  0  5  0E9 RP-TK MTRL DFCT                                     TK CR RR C 02 1
957. 9/17/72 DELAND  ,PE SILVER-NITR  OX 38E2L  0  0 10  0E9 CVRFW UNKNOWN                                                0 04 6
958. 9/19/72 PRVDENCE,RI CYANIDE-SOL  BP  0E0U  0  0 99  0E0 OVRFW FORGN SUBS SPKLRS DSC FIRE                    DIP TANK C 04 3
959. 9/20/72 CHICAGO ,IL SODIUM-HYPO  CL 19E1L  0  0  3 50E0 OVRFW GAU MS/DFC                                    STO TANK 0 41 1
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 960. 9/20/72 JCT-CITY,AR NITRIC-ACID  CL 19E3L 0 0  4 30E2 RP-TK CONTR FLRE MTRL DFCT                       TK TRLR  0 52 1
 961. 9/20/72 SCHNCTDY,NY ANTI-FREEZE  FL 15E2L 0 0  6 30E1 TS FL OPN VALVE   VALVE BKN  MECH FAIL  TK TRLR  0 01 1
 962. 9/21/72 PHOENIX ,AZ PARATHION-L  BP  1E0L 0 0  1 10E1 RP-NT CONTR FLRE IMP LDG               STL PAIL 0 02 1
 963. 9/21/72 S-SPENCR,MA CAUS-SODA    CL 38E1L 0 0  1 30E0 RP-TK SHRP OBJ    DRLMENT               TK CR RR 0 02 1
 964. 9/21/72 RIALTO  ,TN SULFURIC-AC  CL 70E2L 0 0  3 80E0 RP-TK SHRP OBJ    DRLM&OVRTN            TK CR RR 0 02 1
 965. 9/21/72 SAND SPR,OK SOLVENT-470  FL 13E3L 1 0 99 18E3 RP-TK OVRTURN     RDWY CONDS PRNSLL ERR TK TRLR  0 02 1
 966. 9/21/72         ,NJ PROP-GLYCOL  BP 27E3L 1 2 10 31E3 RP-TK CLS&OVRTN                        TK TRLR  0 02 1
 967. 9/21/72 RIALTO  ,TN SULFURIC-AC  CL 38E2L 0 0  2 40E0 RP-TK VALVE BKN   COLLSN     DRLM&OVRTN TK CR RR 0 02 1
 968. 9/22/72 HODGKINS,IL INSECTICIDE  BP  8E0L 0 0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
 969. 9/22/72 99      ,99 ZINC-CYANID  BP 11E1L 0 0  1  0E9 RP-NT SHRP OBJ    UNKNOWN               CDBD DRM 0 02 1
 970. 9/22/72 VIRGINIA,WA LATEX        UN 19E3L 0 0 99  0E9 OVRFW HSE,CPL FA  UNKNOWN               STO TANK 0 03 6
 971. 9/23/72 KRANNERT,CA CAUS-SODA    CL 38E0L 0 0  1 10E1 RP-TK LSE CP,CVR                         TK CR RR 0 02 1
 972. 9/23/72 WLMNGTON,DE ACETONE      FL  0ECU 0 0 99  0E0 RP-NT EXPLOSION   FIRE       VANDALISM  STL DRUM 0 03 3
 973. 9/25/72 DALLAS  ,TX INSECTICIDE  BP 19E0L 0 0 99  0E9 RP-NT SHRP OBJ    UNKNOWN               STL PAIL 0 02 1
 974. 9/25/72 NEWARK  ,NJ ACRYLONITRI  FL 38E1L 0 0 99  0E9 TS FL HSE,CPL FA  MTRL DFCT             TK TRLR  0 01 1
 975. 9/26/72 ODESSA  ,TX HYDROCHLORI  CL 57E2L 0 0  5 10E3 RP-TK SHRP OBJ    OVRTURN    RDWY CONDS TK TRLR  0 02 1
 976. 9/26/72 DIVERNON,IL INSECTICIDE  BP  3E0L 0 0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 02 1
 977. 9/26/72 BALTIMOR,MD PHENOL       BP  0ECU 0 0 99  0E9 OVRFW SPKLRS DSC                        TRENCH   1155 5
 978. 9/26/72 BALTIMOR,MD MULTIPLE     BP  0ECU 0 0 99  0E9 OVRFW SPKLRS DSC HZRD ML                TRENCH   2155 5
 979. 9/26/72 BALTIMOR,MD NITRO-PHENO  BP  0ECU 0 0 99  0E9 OVRFW SPKLRS DSC                        TRENCH   1155 5
 980. 9/26/72 SLT-LK-C,UT HYDROCHLORI  CL  0ECU 0 0 99  0E9 RP-TK GSKT FAIL                         TK CR RR 0 01 6
 981. 9/27/72 CHOCOLAT,TX PHENOL       BP  0ECU 0 0 99  0E0 OVRFW UNKNOWN                                    0 01 2
 982. 9/27/72 CL-SPRNG,MD HYDROXY      UN 14E3L 0 0 99  0E9 RP-TK CONTR FLRE CLS&OVRTN             TK TRLR  0 00 5
 983. 9/28/72 PLANT-CT,FL INSECTICIDE  BP  1E0K 0 0 99 25E0 RP-NT SHRP OBJ    UNKNOWN               CDBD DRM 0 02 1
 984. 9/29/72 ATHENS  ,AL TOXAPHENE    BP 15E0L 0 0  1 13E0 OVRFW PRNSLL ERR                                  0 01 1
 985. 9/30/72 WESTOVER,CA CAUS-SODA    CL 20E3L 0 0  6 98E1 TS FL HSE,CPL FA  MECH FAIL  PRNSLL ERR TK TRLR  0 51 1
 986.10/ 1/72 RADFORD ,VA SOD-SULFATE  UN  0E0L 0 0 99  0E9 OTHER RPTRD PIPE MTRL DFCT             PIPES    0 04 6
 987.10/ 2/72 HOUSTON ,TX LEAD-ARSENA  BP  1E0K 0 0  1  0E0 RP-NT SHRP OBJ    IMP LDG               PA BAG   0 02 1
 988.10/ 3/72 N-ALICE ,TX SULFURIC-AC  CL 11E2L 0 0  3 47E1 RP-NT CONTR FLRE OVRTURN               PLSTC BG 0 02 1
 989.10/ 4/72 BUFFULO ,NY ACETONE      FL  2E0K 0 0  1  0E9 OVRFW CONTR FLRE CHMCAL RE             GLS BTLS 0 04 3
 990.10/ 5/72 LAFAYELE,LA AMM-NITRATE  OX 16E2K 0 0 99  0E9 RP-NT SHRP OBJ    IMP LDG               PLSTC BG 0 02 1
 991.10/ 5/72 RADFORD ,VA SOD-SULFATE  UN  0ECU 0 0 99  0E9 OTHER RPTRD PIPE MTRL DFCT             PIPES    0 04 6
 992.10/ 6/72 MORRIS  ,IL LASSO-PESTI  BP 47E1L 0 0  1  0E9 RP-TK UNKNOWN     OVRTURN    UNKNOWN    TK TRLR  0 02 6
 993.10/ 7/72 RICHMOND,CA PHENOL       BP 11E3L 0 0  9 25E2 RP-TK OPN VALVE   PRNSLL ERR            TK TRLR  0361 1
 994.10/ 7/72 CNCNNATI,OH MERCURIC OX- BP 70E0K 0 0  1  0E0 RP-NT SHRP OBJ    IMP LDG               FBRE DRM 0 02 1
 995.10/ 8/72 BRMNGHAM,AL MULTIPLE     FL  0ECU 0 0 99  0E0 RP-NT EXPLOSION   FIRE       VANDALISM  STL PAIL 2 03 3
 996.10/ 8/72 BRMNGHAM,AL PAINT-THINR  FL  0ECU 0 0 99  0E0 RP-NT EXPLOSION   FIRE       VANDALISM  STL PAIL 1 03 3
 997.10/ 8/72 BRMNGHAM,AL PAINT        FL  0ECU 0 0 99  0E0 RP-NT EXPLOSION   FIRE       VANDALISM  STL PAIL 1 03 3
 998.10/ 8/72 NASHVILE,TN ACRYLONITRI  FL 13E1L 0 0  2  0E9 RP-TK CONTR FLRE COLLSN                BARGE TK 0 02 6
 999.10/ 9/72 GRNSBORO,NC POT-HYDROXI  CL  0ECU 0 0 99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 3 03 3
1000.10/ 9/72 GRNSBORO,NC MULTIPLE     BP  0ECU 0 0 99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 4 03 3
1001.10/ 9/72 GRNSBORO,NC AMM PHOSPHA  FS  0ECU 0 0 99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 3 03 3
1002.10/ 9/72 GRNSBORO,NC COPPER-SULF  BP  0ECU 0 0 99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 4 03 3
1003.10/ 9/72 GRNSBORO,NC PAINT-THINR  FL  0ECU 0 0 99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 3 03 3
1004.10/ 9/72 GRNSBORO,NC PHOSPHACID   CL  0ECU 0 0 99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 3 03 3
1005.10/10/72 OAKLAND ,CA INDUS-WASTE  UN  0ECU 0 0 99  0E9 OVRFW UNKNOWN                                    0 00 6
1006.10/10/72 RADFORD ,VA SOD-SULFATE  UN  0ECU 0 0 99  0E9 OTHER RPTRD PIPE MTRL DFCT             PIPES    0 04 6
1007.10/11/72 W PM BCH,FL AQUA AMMONI  BP 20E1L 0 0  1 10E1 RP-NT SHRP OBJ                          CDBD DRM 0 01 1
1008.10/12/72 COLUMBUS,OH HYDR-ACD-AQ  CL  4E0L 0 0  1  4E0 RP-NT UNKNOWN                           55 G DRM 0 01 1
1009.10/13/72 LAFAYELL,LA AMM-NITRATE  OX 52E1K 0 0 99 69E0 RP-NT SHRP OBJ    IMP LDG               PA BAG   0 02 1
1010.10/13/72 TULSA   ,OK TOLUENE      FL 38E1L 0 0  4  0E0 TS FL HSE,CPL FA  MTRL DFCT             TK TRLR  0 01 1
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1011.10/14/72 COLUMBUS,OH POISON NOI   BP  0E0U  0  0 99  0E9 RP-NT MTRL DFCT                                     STL DRUM 0 02 1
1012.10/16/72 PAIGE    ,TX AMM-NITRATE  OX 34E2K  0  0 99 19E1 RP-NT SHRP OBJ   IMP LDG                            PLSTC BG 0 02 1
1013.10/17/72 ROCK-ISL ,IL INSECTICIDE  BP   4E0L  0  0 99 10E0 RP-NT CONTR FLRE MTRL DFCT                                  0 02 1
1014.10/17/72 NEWTON-F,OH CHROMIC-ACI  BP 49E3L  0  0  7  0E9 OVRFW MECH FAIL                                    STO TANK 0 03 6
1015.10/18/72 FULTON   ,OH SOLVENT      FL 38E1L  0  0  1  0E9 RP-TK SHRP OBJ   NMRL OP                            DIP TANK 0 04 3
1016.10/19/72 SLT-LAKE,UT INSECTICIDE  BP   4E0L  0  0 99 15E0 RP-NT CONTR FLRE DROPPED                            CRTN/CTN 0 01 1
1017.10/20/72 FAYETVIL,NC XYLENE       FL 76E2L  0  0  3  0E9 OVRFW PRNSLL ERR                                   STO TANK 0 03 6
1018.10/26/72 BRAINTRE,MA METHMTHACRL  FL 14E0K  0  0  2 38E0 RP-NT SHRP OBJ                                      STL DRUM 0 02 1
1019.10/27/72 TAMPA    ,FL ASPHALT      UN 53E3L  0  0 99  0E0 OVRFW FORGN SUBS SPKLRS DSC FIRE                    DIP TANK 0 04 3
1020.10/29/72 STERLING,IL HYDRAULIC-OI LN  0E0U  0  0 99  0E9 TS FL HSE,CPL FA                                              1 04 3
1021.10/29/72 STERLING,IL MOLTEN-METL  LN  0E0L  0  0 99  0E9 OVRFW MECH FAIL                                               1 04 3
1022.10/29/72 STERLING,IL MULTIPLE     UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL                                               2 04 3
1023.10/31/72 PRTR CTR,NY MULTIPLE     FL 94E1L  0  0  7  0E0 RP-TK EXPLOSION  CHMCAL RE  FORGN SUBS STO TANK 2 05 3
1024.10/31/72 PRTR CTR,NY METHYLHDRZN  FL 47E1L  0  0  7  0E0 RP-TK EXPLOSION  CHMCAL RE  FORGN SUBS STO TANK 1 05 3
1025.10/31/72 PRTR CTR,NY UNSYM DIMET  FL 47E1L  0  0  7  0E0 RP-TK EXPLOSION  CHMCAL RE  FORGN SUBS STO TANK 1 05 3
1026.10/31/72 99       ,NJ INDUS-WASTE  UN 19E3L  0  0 99  0E9 OVRFW MECH FAIL                                               0 04 6
1027.10/31/72 NEWARK   ,NJ SULFURIC-AC  CL 19E3L  0  0  4  0E9 OVRFW MECH FAIL  UNKNOWN                          TK CR RR 0 01 6
1028.11/ 1/72 HAMMOND  ,IN SULFURIC-AC  CL 27E3L  0  0  5  0E9 OTHER CONTR FLRE UNKNOWN                           TK CR RR 0 02 1
1029.11/ 1/72 WAYNESVL,NC SULFURIC-AC  CL 19E0L  0  0  1  0E9 RP-TK OPN VALVE                                    TK TRLR  0 02 2
1030.11/ 1/72 HAMMOND  ,IN SULFURIC-AC  CL  0E0L  0  0 99  0E9 RP-TK CONTR FLRE UNKNOWN                           TK CR RR 0 02 6
1031.11/ 2/72 WINTON   ,NC MINERAL-SPR  FL 38E3L  0  0  4  0E9 OVRFW PRNSLL ERR                                   STO TANK 0 03 2
1032.11/ 2/72 WANESVIL,NC SULFURIC-AC  CL 19E1L  0  0  1  0E9 RP-TK UNKNOWN                                      TK TRLR  0 02 2
1033.11/ 3/72 CHICAGO  ,IL MERCURY      BP 16E1K  0  0  6 14E2 RP-NT DROPPED                                      GLS BTLS 0 01 1
1034.11/ 3/72 BRDFRDPK,IL SULFURIC-AC  CL 19E1L  0  0  1  7E0 TS FL UNKNOWN                                      TK TRLR  0 51 1
1035.11/ 3/72 PHILADEL,PA FUEL-OIL     FL  0E0U  0  0 99  0E9 TS FL FORKLIFT   PRNSLL ERR                        PIPES    0 06 3
1036.11/ 6/72 COLUMBIA,PA MULTIPLE     FL  0E0L  0  0 99  0E9 OVRFW MECH FAIL  BODY FLRE                                  2 04 3
1037.11/ 6/72 COLUMBIA,PA FUEL-OIL     FL  0E0U  0  0 99  0E9 OTHER UNKNOWN                                                 1 04 3
1038.11/ 6/72 COLUMBIA,PA MOLTEN-ZINC  UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                                 1 04 3
1039.11/ 7/72 BRUNSWIK,CA RESIN-SI     UN 28E0   0  0 99  0E9 RP-TK CONTR FLRE SHIP SANK                         SHIP     0 00 6
1040.11/ 8/72 WESTLAKE,LA SULFURIC-AC  CL 26E2L  0  0  2 25E1 TS FL UNKNOWN                                      TK TRLR  0 51 1
1041.11/ 8/72 TYSNS CR,VA TRANSF OIL   FL 11E2L  0  0  1  0E0 RP-NT ELCT ARCNG                                   TRNSFRMR 0 03 3
1042.11/ 9/72 FARMVILL,NC UREA-FORMAL  BP 28E2L  0  0  7  0E9 OVRFW UNKNOWN                                               0 00 6
1043.11/10/72 FARMUILE,NC UREA-FORMAL  BP 28E2L  0  0  7  0E9 OTHER UNKNOWN                                               0 00 2
1044.11/11/72 DALLAS   ,TX ARSENIC ACI  BP 11E1L  0  0  6  0E0 RP-NT SHRP OBJ   IMPR HNDLG PRNSLL  ERR FBRE DRM 0 01 1
1045.11/11/72 GREELEY  ,CO MOLASSES     UN 60E2L  0  0 99  0E9 RP-TK VALVE BKN  UNKNOWN                          TK CR RR 0 01 6
1046.11/13/72 SEATTLE  ,WA HERBICIDE    BP   1E0L  0  0 99 10E0 RP-NT CONTR FLRE MTRL DFCT                         STL DRUM 0 02 1
1047.11/13/72 CHERYVIL,NC XYLENE       FL 11E1L  0  0  1 40E0 RP-NT CONTR FLRE IMP LDG                           GLS BTLS 0 02 1
1048.11/13/72 BIRMINGH,AL SODIUM-HYDO  FS 48E2K  0  0  4 67E2 OTHER LSE CP,CVR UNKNOWN                                    0 02 1
1049.11/13/72 99       ,MD INDUS-WASTE  UN  0E0U  0  0 99  0E9 OVRFW INTNL REL                                               0 04 6
1050.11/13/72 99       ,MD INDUS-WASTE  UN 38E1L  0  0 99  0E9 OVRFW PRNSLL ERR INTNL REL                                    0 04 6
1051.11/14/72 HICKORY  ,NC GLYOXAL      FS 38E2L  0  0  1  0E9 RP-TK OVRTURN                                      TK TRLR  0 02 2
1052.11/14/72 LEXNGTON,KY TOLUENE      FL 76E2L  0  0  8  0E9 RP-TK COLLSN     UNKNOWN                          TK TRLR  0 02 2
1053.11/14/72 HICKORY  ,NC GLYOXAL      FS 38E1L  0  0  1  0E9 RP-TK CONTR FLRE COLLSN                            TK TRLR  0 02 6
1054.11/15/72 LOS-ANGL,CA RESIN-SOLUT  FL 21E1L  0  0 99 20E1 RP-NT SHRP OBJ   IMP LDG                            STL DRUM 0 02 1
1055.11/15/72 SA FE SP,CA CHROMIC-ACI  BP 45E0K  0  0  1  0E0 RP-NT MTRL DFCT  IMPR CNTNR                         PLSTC DR 0 02 1
1056.11/16/72 HOUSTON  ,TX SULFURYL-CH  CL 91E0K  0  0  5  0E9 RP-NT SHRP OBJ   UNKNOWN                          STL DRUM 0 02 1
1057.11/16/72 TALORSUL,IL POT-CHLORID  UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE DRLMENT                            TK CR RR 0 02 6
1058.11/18/72 HOUSTON  ,TX SODIUM-HYDO  FS 17E1K  0  0  1 15E1 RP-NT CONTR FLRE IMP LDG                           STL DRUM 0 02 1
1059.11/20/72 BRNSVILE,TX TURPENTINE   FL 66E3L  0  0 10  0E9 OVRFW HSE,CPL FA UNKNOWN                          STO TANK 0 02 6
1060.11/20/72 LEFLORE  ,OK AMM-NITRATE  OX  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                      BARGE BK 0 02 6
1061.11/20/72 INSTITUT,WV BENZENE      FL 76E1L  0  0  1  0E9 RP-TK CONTR FLRE MTRL DFCT                         BARGE TK 0 02 6
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1062.11/20/72 STOCKHAM,AZ METHANOL     FL 80E3L  0  0  6 36E2 RP-TK SHRP OBJ    DRLMENT      MTRL DFCT  TK CR RR 0 02 1
1063.11/21/72 BRNSVILE,TX TURPENTINE   FL 66E3L  0  0 10  0E9 TS FL RPTRD PIPE UNKNOWN                            0 01 2
1064.11/21/72 LEXINGTN,KY TOLUENE      FL 76E2L  0  0  8  0E9 RP-TK CONTR FLRE COLLSN                  TK TRLR   0 02 6
1065.11/22/72 CHICAGO  ,IL TOLUENE     FL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE UNKNOWN                 BARGE BK  0 02 6
1066.11/22/72 SHELTON  ,CN MULTIPLE    FL 91E1K  0  0  2  0E9 OVRFW UNKNOWN    UNKNOWN                 IND MACH  2 04 6
1067.11/22/72 SHELTON  ,CN DIMETHYLAMI FL 68E1K  0  0  2  0E9 OVRFW UNKNOWN    UNKNOWN                 IND MACH  1 04 6
1068.11/22/72 SHELTON  ,CN CBN-DISULFI FL 23E1K  0  0  2  0E9 OVRFW UNKNOWN    UNKNOWN                 IND MACH  1 04 6
1069.11/25/72 99       ,WV SODIUM-HYDX CM 30E3L  0  0  7 13E3 RP-TK SHRP OBJ    UNKNOWN                 TK CR RR  0 02 1
1070.11/25/72 CHARLSTN,WV LACQUR-SOLV  FL 57E1L  0  0  4  0E9 OVRFW DRLMENT                            TK CR RR  2 02 2
1071.11/25/72 CHARLSTN,WV MULTIPLE        40E3L  0  0  4  0E9 OVRFW DRLMENT                            TK CR RR  3 02 2
1072.11/25/72 CHARLSTN,WV CAUS-SODA    CL 23E2L  0  0  4  0E9 OVRFW DRLMENT                            TK CR RR  2 02 2
1073.11/25/72 CHARLSTN,WV CBN-TETRACH  LN 11E2L  0  0  4  0E9 OVRFW DRLMENT                            TK CR RR  2 02 2
1074.11/25/72 KANAWHA  ,WV MULTIPLE    UN  0E0U  0  0 99  0E9 RP-TK UNKNOWN     DRLMENT                TK CR RR  3 02 6
1075.11/25/72 KANAWHA  ,WV CBN-TETRACH UN  0E0U  0  0 99  0E9 RP-TK UNKNOWN     DRLMENT                TK CR RR  2 02 6
1076.11/25/72 KANAWHA  ,WV METH-AMY-AC FL  0E0U  0  0 99  0E9 RP-TK UNKNOWN     DRLMENT                TK CR RR  2 02 6
1077.11/25/72 KANAWHA  ,WV SODIUM-HYDX CM  0E0L  0  0 99  0E9 RP-TK UNKNOWN     DRLMENT                TK CR RR  2 02 6
1078.11/26/72 URAVAN   ,CO INDUS-WASTE UN  0E0U  0  0 99  0E9 OVRFW PRNSLL ERR UNKNOWN                 STO TANK  0 03 6
1079.11/27/72 NEW-ORLN,LA INSECTICIDE  BP 19E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                 STL DRUM  0 02 1
1080.11/28/72 ALBANY   ,CA WEED-KILLER BP 19E0L  0  0 99 20E0 RP-NT CONTR FLRE MTRL DFCT                         0 02 1
1081.11/28/72 CHICAGO  ,IL HYDRAUL-OIL LN 28E1L  0  0 99  0E9 TS FL HSE,CPL FA UNKNOWN                           0 04 3
1082.11/28/72 TRUMBULL,OH PHOSPHORUS   FS  0E0U  0  0 99  0E9 RP-TK CONTR FLRE DRLMENT                 BK CR RR  0 02 6
1083.11/28/72 WASHNGTN,WV LATEX        UN 38E2L  0  0 99  0E9 OVRFW MECH FAIL  UNKNOWN                 IND MACH  0 04 6
1084.11/28/72 DURHAM   ,NC METH-CHLORI UN 38E2L  0  0  2  0E9 RP-TK CONTR FLRE OVRTURN                 TK TRLR   0 02 6
1085.11/29/72 OHIO-RIV,SS LATEX        LN 38E2L  0  0 99  0E9 OVRFW UNKNOWN                                      0 01 2
1086.12/ 0/72 99       ,WV PLASTICIZER FL 19E2L  0  0  1  0E9 OVRFW OPN VALVE  PRNSLL ERR                        0 04 6
1087.12/ 1/72 PARRISH  ,AL AMM-NITRATE OX 23E3K  0  0 99 50E1 RP-TK SHRP OBJ    COLLSN                  BK CR RR  0 02 1
1088.12/ 1/72 SEA-DRFT,TX STYRENE-MON  BP 15E1L  0  0  1  0E0 OTHER UNKNOWN                            BARGE TK  0 01 2
1089.12/ 1/72 99       ,NC SULFURIC-AC CL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE                         TK TRLR   0 02 6
1090.12/ 1/72 ROANOKE  ,VA AMYL ACETAT FL 57E2L  0  0  1  0E9 RP-TK DRLM&OVRTN LKG CVR     MECH FAIL  TK CR RR  0 02 1
1091.12/ 2/72 SALT-L-C,UT HYDROCHLORI  CL 30E3L  0  0  7  0E9 RP-TK CONTR FLRE OVRTURN     MECH FAIL  TK TRLR   0 02 6
1092.12/ 2/72 LOWLAND  ,TN METHANOL    FL 57E2L  0  0  3 20E1 RP-TK LSE CP,CVR MTRL DFCT               TK TRLR   0 02 1
1093.12/ 3/72 ROXANA   ,IL DODECYL-PHE CL 68E3K  0  0  6 18E3 RP-TK COLLSN      UNKNOWN                 TK CR RR  0 02 1
1094.12/ 3/72 SEA-DRFT,TX STYRENE-MON  BP 38E0L  0  0  1  0E9 TS FL OPN VALVE  PRNSLL ERR                        0 01 2
1095.12/ 3/72 FT-MEADE,FL PHOSPHATE-C  BP 76E8L  0  0 10  0E9 OVRFW CONTR FLRE                         SETLG PD  0 05 6
1096.12/ 4/72 MEMPHIS  ,TN DINITRO-PHE BP 11E1L  0  0  2 40E1 RP-NT BODY FLRE  MTRL DFCT               STL DRUM  0 02 1
1097.12/ 4/72 TALAHASE,FL ETH-GLYCOL   FL 76E3L  0  0 10  0E9 RP-TK DRLMENT                            TK CR RR  0 02 6
1098.12/ 4/72 TALAHASE,FL ETH-GLYCOL   FL 76E3L  0  0 10  0E9 RP-TK CONTR FLRE DRLMENT                 TK CR RR  0 02 6
1099.12/ 5/72 JOLIET   ,IL XYLENE      FL 38E1L  0  0  1  0E9 OVRFW PRNSLL ERR                         BARGE TK  0 01 6
1100.12/ 8/72 99       ,99 MURIATIC-AC CL 23E3L  0  0  4 60E1 RP-TK CONTR FLRE OVRPRES     MTRL DFCT  STO TANK  0 01 1
1101.12/ 8/72 COLUMBIA,SC XYLENE       FL 25E3L  0  0  4  0E9 RP-TK UNKNOWN     OVRTURN     UNKNOWN    TK TRLR   0 02 6
1102.12/ 9/72 MODESTO  ,CA STRNT CARBO FS  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC              PA BAG    1 03 3
1103.12/ 9/72 MODESTO  ,CA BARIUM CARB BP  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC              PA BAG    1 03 3
1104.12/ 9/72 MODESTO  ,CA MULTIPLE    UN  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC              PA BAG    2 03 3
1105.12/ 9/72 KENTON   ,OH PHENOL      BP  0E0U  0  0 99  0E9 OVRFW INTNL REL  NMRL OP                 SETLG PD  0 05 6
1106.12/10/72 ST-PAUL  ,MN SULFURIC-AC CL 95E1L  0  0  1  0E9 RP-TK CONTR FLRE MTRL DFCT               STO TANK  1 03 6
1107.12/10/72 ST-PAUL  ,MN MULTIPLEMIX BP 19E2L  0  0  1  0E9 RP-TK CONTR FLRE MTRL DFCT               STO TANK  2 03 6
1108.12/10/72 ST-PAUL  ,MN CHROMIC-ACI BP 95E1L  0  0  1  0E9 RP-TK CONTR FLRE MTRL DFCT               STO TANK  1 03 6
1109.12/11/72 TONAWNDA,NY NITROBENZEN  BP 19E0L  0  0  3  5E0 RP-TK LSE CP,CVR                         TK TRLR   0 02 1
1110.12/11/72 STRUTHRS,OH CAUS-SODA    CL 38E3L  0  0  7 42E2 RP-TK CONTR FLRE MTRL DFCT               TK CR RR  0 02 1
1111.12/11/72 CHICAGO  ,IL ETH-DICHLOR FL 26E1L  0  0  1 36E1 RP-NT IMP LDG     MECH FAIL               STL DRUM  0 02 1
1112.12/12/72 DUFF     ,TN TOLUIDENE   BP 19E3L  0  0  9 80E1 RP-TK SHRP OBJ    DRLMENT                 TK CR RR  0 02 1
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1113.12/12/72 POTSTOWN,PA HYDROCFLORI  CL 90E2L  0  0  5   0E9 RP-TK CONTR FLRE CCLLSN      UNKNOWN    TK TRLR  C C2 6
1114.12/13/72 DUFF     ,TN ORTHO-TOLUI  FL 76E1L  0  0  2   0E9 RP-TK CONTR FLRE DRLMENT     UNKNOWN    TK CR RR 0 02 2
1115.12/13/72 LEWISTON,ME NAPTHA        FL 11E1L  0  2  1   0E0 RP-NT MTRL DFCT                         CKG/MX T C C4 3
1116.12/13/72 IUKA     ,IL PROP-GLYCOL  BP  0E0L  0  0 99   0E9 RP-TK CONTR FLRE CRLMENT                TK CR RR 1 C2 6
1117.12/13/72 BALTIMOR,MD ACETONE       FL 95E1L  0  0  2   0E9 RP-TK BOCY FLRE  DFCTV WELD             TK TRLR  0 C0 6
1118.12/13/72 IUKA     ,IL GLYCERIN     FL  0ECU  0  0 99   0E9 RP-TK CONTR FLRE CRLMENT                TK CR RR 1 C2 6
1119.12/13/72 IUKA     ,IL MULTIPLE     BP  0E0U  0  0 99   0E9 RP-TK CGNTR FLRE CRLMENT                TK CR RR 2 C2 6
1120.12/14/72 MT-PLESN,PA MURIATIC-AC   CL 76E1L  0  0  1   0E9 OVRFW CONTR FLRE UNKNOWN                STO TANK 0 01 1
1121.12/15/72 INDIANPL,IN SODIUM-HYDO   FS 18E2K  0  0  3 25E3 RP-NT CONTR FLRE IMP LDG                 STL DRUM 0 02 1
1122.12/15/72 MAPLETON,IL SALT          UN  0E0L  0  0 99   0E0 RP-NT WET PACKNG SPKLRS CSC FIRE        PA BAG   C C3 3
1123.12/15/72 PLAINSVL,OH INDUS-WASTE   UN 76E3L  0  0 99   0E9 OVRFW PWR FLRE                                   0 00 6
1124.12/18/72 KNOXVILE,TN SULFURIC-AC   CL 21E3L  0  0  4 25E2 OTHER UNKNOWN                            TK TRLR  0 02 1
1125.12/18/72 DUCKTOWN,TN SULFURIC-AC   CL 60E2L  0  0  4   0E9 RP-TK OVRTURN    UNKNCWN                TK TRLR  0 02 2
1126.12/18/72 DUCKTOWN,TN SULFURIC-AC   CL 23E3L  0  0  4   0E9 OVRFW UNKNOWN    UNKNOWN                TK TRLR  C 02 6
1127.12/18/72 INSTITUT,WV PLASTICIZER   FL 19E2L  0  0  1   0E9 OVRFW PRNSLL ERR                                 0 C4 6
1128.12/18/72 COOK CTY,IL NAPTHA        FL 28E3L  0  0  7 76E1 RP-TK CLS&OVRTN  SHRP OBJ                TK TRLR  C 02 1
1129.12/19/72 PALMRTWN,PA SULFURIC-AC   CL 38E1L  0  0  1 61E0 RP-TK OPN VALVE  PRNSLL ERR              TK TRLR  0 00 1
1130.12/19/72 DUCKTOWN,TN SULFURIC-AC   CL  1ECL  0  0  1   0E9 RP-TK CONTR FLRE CVRTURN                TK TRLR  C 02 2
1131.12/19/72 DUCKTOWN,TN SULFURIC-AC   CL 23E3L  0  0  4   0E9 RP-TK CONTR FLRE OVRTURN                TK TRLR  C 02 2
1132.12/20/72 BENSNVIL,IL HYDRAULI-OI   UN  0ECU  0  0 99   0E9 TS FL HSE,CPL FA                                 1 C4 3
1133.12/20/72 BENSNVIL,IL MOLTEN-METL   UN  0ECL  0  0 99   0E9 OVRFW MECH FAIL                                  1 C4 3
1134.12/20/72 LUKE     ,MD CHLORINE     UN  0E0U 11  0 99   0E9 OVRFW HSE,CPL FA VHCL MVC               TK CR RR 0 C1 6
1135.12/21/72 BENSNVIL,IL MULTIPLE      UN  0E0U  0  0 99   0E9 CVRFW MECH FAIL                                  2 04 3
1136.12/21/72 ORLANDO  ,FL AMM-NITRATE  OX 54E2L  0  0 99   0E9 OTHER MECH FAIL                                  0 02 6
1137.12/22/72 EDGEWOOD,MD SULFONIC-AC   CL 76E0L  0  0  1   0E9 RP-TK CVRTURN    UNKNOWN                TK TRLR  0 02 2
1138.12/22/72 KINGSPRT,TN ADIPIC-ACID   CL 40E2K  0  0  1   0E9 OTHER UNKNOWN                                    0 C6 2
1139.12/22/72 ST LOUIS,IL PROPYLENE     UN 11E4L  0  0  5 25E3 RP-TK CCLLSN                             TK CR RR 0 01 3
1140.12/22/72 BALTIMOR,MD SULFONIC-AC   CL 75E0L  0  0  1   0E9 RP-TK OVRTURN    DFCTV WELD             TK TRLR  0 C2 6
1141.12/23/72 CINCINAT,OH SULFURIC-AC   CL 76E1L  0  0  1   0E9 OVRFW PRNSLL ERR                        STO TANK 0 04 6
1142.12/28/72 FAIRLESS,PA HYDROCHLORI   CL 19E1L  0  0  1 50E0 CVRFW PRNSLL ERR                         STO TANK 0 51 1
1143.12/28/72 BAY-CITY,MI BENZENE       FL 57E0L  0  0  1   0E9 OVRFW HSE,CPL FA                        PIPES    C C4 6
1144.12/28/72 JAMEVLLE,MA ALC-ETHYL     FL 23E4K  0  0  6   5E3 RP-TK DRLM&OVRTN VALVE BKN              TK CR RR 0 02 1
1145.12/29/72 CLEARING,IL TOLUENE       FL 33E3L  0  0 10   2E3 RP-TK DRLMENT    BCCY FLRE              TK CR RR C C2 1
1146.12/29/72 99       ,99 CAUS-SODA    CL 30E3L  0  0  7 18E2 RP-TK SHRP OBJ   DRLMENT                 TK CR RR 0 02 1
1147.12/29/72 BALTIMOR,MD SULFONIC-AC   CL 76ECL  0  0  1   0E9 RP-TK CONTR FLRE OVRTURN                TK TRLR  C 02 2
1148.12/30/72 MOBILE   ,AL DISHWASH-PO  CM 12E3K  0  0 99   0E9 OTHER UNKNOWN                                    C C1 1
1149. 0/ 0/73 KANAWHAR,WV METHANOL      FL 30E3L  0  0  5   0E9 OTHER PRNSLL ERR                                 0 C3 2
1150. 1/ 2/73 MCALLEN  ,TX AMM-NITRATE  OX 15E2K  0  0 99 13E1 RP-NT SHRP OBJ   IMP LDG                 PLSTC BG 0 C2 1
1151. 1/ 3/73 CORPUS-C,TX VINYL-ACETA   FL  0E0U  0  0 99 60E2 TS FL OPN VALVE  PRNSLL ERR              BARGE TK 0 01 2
1152. 1/ 3/73 S-CHARLS,WV ISOPROPANEL   FL 11E0L  0  0  1   0E9 RP-TK LSE CP,CVR PRNSLL ERR             BARGE TK C 01 2
1153. 1/ 4/73 CORP-CHR,TX VINYL-ACETA   FL 79E3L  0  0  8   0E9 RP-TK SHIP SANK                         BARGE TK C 01 2
1154. 1/ 5/73 WAVERLY ,NJ CAUS-SODA     CL 10E1L  0  0  1 10E1 RP-TK UNKNOWN                            TK CR RR C 02 1
1155. 1/ 6/73 BROADNAX,VA SULFURIC-AC   CL 76E1L  0  0  1 15E2 RP-TK LKG CVR    DRLM&CVRTN              TK CR RR C 02 1
1156. 1/ 7/73 DESPL-RI,IL SULFURIC-AC   CL 14E4L  0  0 17   0E9 RP-TK MTRL DFCT                         STO TANK 1 03 2
1157. 1/ 7/73 DESPL-RI,IL NITRIC-ACID   CL 14E4L  0  0 10   0E9 RP-TK MTRL DFCT                         STO TANK 1 03 2
1158. 1/ 7/73 DESPL-RI,IL MULTIPLE      CL 14E4L  0  0 19   0E9 RP-TK MTRL DFCT                         STO TANK 2 C3 2
1159. 1/ 8/73 SPARLAND,IL ALC-ETHYL     FL 19E4L  0  0  6 15E3 RP-TK CONTR FLRE DRLM&CVRTN UNKNOWN      TK CR RR C 02 1
1160. 1/ 9/73 WILMNGTN,DE UNKNOWN       UN  0ECU  0  0 99   0E9 CTHER INTNL REL                         SETLG PD 0 03 2
1161. 1/ 9/73 FAYETTEV,NC CHEM-NOI      UN  0ECU  0  0 99   0E9 TS FL HSE,CPL FA BLCG CLSP  SNOW/ICE    PA BAG   0 03 3
1162. 1/12/73 E-WOODBR,NJ OXYBISPEROL   BP  1E0K  1  0 99 10E1 RP-NT SHRP OBJ                           FBRE DRM 0 01 1
1163. 1/12/73 ST-LOUIS,MO INSECTICIDE   BP  1ECL  0  0 99 40E0 RP-NT CONTR FLRE MTRL DFCT               STL PAIL C 02 1
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1164. 1/15/73 HUNTSVIL,AL HYDROCHLORI  CL 11E2L  0  0  2 80E1 RP-TK CONTR FLRE UNKNOWN                 TK TRLR   0 51 1
1165. 1/16/73 SISTRSVL,WV BUTYL CARBI  FL  0E0U  0  0 99  0E0 RP-NT CONTR FLRE EXPLOSION  CHMCAL RE  CKG/MX T  0 04 3
1166. 1/18/73 FRESNO   ,CA ORGAN-PHOSP  BP 19E0L  0  0  1 10E1 RP-NT SHRP OBJ   UNKNOWN                 STL PAIL  0 02 1
1167. 1/18/73 NATCHEZ  ,MS FLAM-LIQ-UN  FL  0E0U  0  0 99  0E9 OVRFW INTNL REL  PRNSLL ERR                        0 04 3
1168. 1/19/73 BROUSARD,LA AMM-NITRATE  OX 13E2K  0  0 99 12E1 RP-NT SHRP OBJ   IMP LDG                 PA BAG    0 02 1
1169. 1/19/73 LEMONT   ,IL CAUS-SODA    CL 75E1L  1  0  2 10E0 TS FL HSE,CPL FA MTRL DFCT              TK TRLR   0 41 1
1170. 1/19/73 WOODSTOK,IL CHEM-NOI     UN 19E0L  0  0 99  0E9 OVRFW PRNSLL ERR                         IND MACH  0 04 3
1171. 1/19/73 REDWD CY,CA RESIN-SOLUT  FL 11E2L  0  0 99  0E0 RP-TK RPTRD PIPE OVRPRES                 CKG/MX T  0 04 3
1172. 1/22/73 OHIO-JCT,OH TOLUENE      FL 38E3L  0  0 10  0E9 RP-TK CONTR FLRE UNKNOWN                 TK CR RR  0 02 1
1173. 1/23/73 MARIETTA,CA SULFURIC-AC  CL 49E0L  0  0  1 20E1 RP-NT UNKNOWN                            DELDRUM   0 02 1
1174. 1/24/73 HICKORY ,NC SOLVENT      FL 21E1L  1  0 99  0E9 OVRFW DROPPED    PRNSLL ERR              STL DRUM  0 04 3
1175. 1/25/73 SUNSET  ,LA AMM-NITRATE  OX 10E2K  0  0 99 67E0 RP-NT SHRP OBJ   IMP LDG                 PA BAG    0 02 1
1176. 1/25/73 STITIS  ,KY ACETONE      FL 52E3L  0  0  8  0E9 RP-TK DRLMENT    UNKNOWN                 TK CR RR  0 02 1
1177. 1/25/73 NEW YORK,NY DICHLORO PE  BP 12E1L  2  0  1  0E0 RP-NT CONTR FLRE EXPLOSION  CHMCAL RE  FBRE DRM  0 03 3
1178. 1/27/73 MT PLSNT,WI NAPTHA       FL 87E4L  0  0 10  0E0 RP-TK SHRP OBJ   DRLM&OVRTN              TK CR RR  0 02 9
1179. 1/29/73 TOPEKA  ,KS AMM-NITRATE  OX 54E2K  0  0 99  0E9 RP-TK LKG CVR    DRLMENT                 BK CR RR  0 02 1
1180. 1/29/73 CLEVELND,OH CAUS-POT-LI  CL 57E0L  0  0  1 10E0 RP-NT CONTR FLRE MTRL DFCT  UNKNOWN     STL DRUM  0 02 1
1181. 1/30/73 TULLY   ,NY ALC-ISOPROP  FL 24E3L  0  0  3 30E2 RP-TK SHRP OBJ   CLS&OVRTN               TK TRLR   0 02 1
1132. 1/30/73 JACKSON ,MI HYDROCHLORI  CL 15E2L  1  0  3 60E0 TS FL HSE,CPL FA LSE CP,CVR              TK TRLR   0 51 1
1183. 1/31/73 MEMPHIS ,TN INSECTICIDE  BP 23E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                           0 02 1
1184. 2/ 0/73 99      ,99 MOLASSES     UN  0E0U  1  0 99  0E9 OTHER UNKNOWN                            BARGE TK  0 02 2
1185. 2/ 1/73 LOVLAND ,CO INDUS-WASTE  UN 20E4L  0  0 99  0E9 OTHER MECH FAIL                          SETLG PD  0 06 6
1186. 2/ 2/73 FRESNO  ,CA DINITRO-PHE  BP  4E0K  0  0  1 10E2 RP-NT CONTR FLRE UNKNOWN                 STL DRUM  0 02 1
1187. 2/ 4/73 LOWLAND ,TN ALC-METHYL   FL 76E2L  0  0  1 25E0 OVRFW PRNSLL ERR                         STO TANK  0 41 1
1188. 2/ 4/73 MOBILE  ,AL SULFURIC-AC  CL 76E1L  0  0  1 20E1 RP-TK BODY FLRE MTRL DFCT              TK CR RR  0 02 1
1189. 2/ 4/73 ANDERSON,SC AMM-NITRATE  OX 91E4K  0  0 99  0E0 RP-NT CONTR FLRE FIRE       VANDALISM   PA BAG    0 03 3
1190. 2/ 5/73 REISTERS,MD CAUS-SODA    CL 56E0L  1  0  1 15E0 OVRFW UNKNOWN                            STO TANK  0 01 1
1191. 2/ 7/73 WESTOVER,CA CAUS-SODA    CL 15E2L  0  0  3 50E0 TS FL HSE,CPL FA UNKNOWN                 TK TRLR   0 41 1
1192. 2/ 7/73 BROOKLYN,NY ZINC-CYANID  BP 90E0K  0  0  1 23E1 RP-NT CONTR FLRE IMP LDG                 CDBD DRM  0 01 1
1193. 2/ 8/73 YORK    ,PA HERBICIDE    BP  1E0K  0  0 99 25E0 RP-NT UNKNOWN                            STL PAIL  0 02 1
1194. 2/ 8/73 CARPENDR,IL TOLUENE      FL 57E0L  0  0  2 10E0 TS FL DROPPED    RDWY CONDS              TK TRLR   0 01 1
1195. 2/ 9/73 WILMINGT,MA ETH-ACRILAT  FL 19E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN                 STL DRUM  0 02 1
1196. 2/ 9/73 SAN-ANTO,TX METHANOL     FL 11E3L  0  0  3 50E1 RP-TK CONTR FLRE UNKNOWN                 TK CR RR  0 02 1
1197. 2/ 9/73 COLUMBIN,OH SULFURIC-AC  CL 14E3L  0  0  4 18E2 RP-TK SHRP OBJ   CLS&OVRTN               TK TRLR   0 02 1
1198. 2/13/73 TEXAS-CI,TX ETH-HEXANOL  FL 76E0L  0  0  1  0E9 OTHER UNKNOWN                                      0 01 2
1199. 2/14/73 LOS-ANGL,CA PARATHION-L  BP  1E0K  0  0  1 50E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM  0 02 1
1200. 2/15/73 SUNSET  ,LA AMM-NITRATE  OX 11E2K  0  0 99 10E1 RP-NT SHRP OBJ   IMP LDG                 PA BAG    0 02 1
1201. 2/16/73 WNSTNSLM,NC AMM-NITRATE  OX 45E0K  0  0 99 20E0 RP-NT CONTR FLRE DRLMENT    UNKNOWN     PLSTC BG  0 02 1
1202. 2/16/73 SIOUXCTY,IA LEAD-ARSENA  BP  5E0K  0  0  1 18E0 RP-NT SHRP OBJ   UNKNOWN                 PA BAG    0 01 1
1203. 2/16/73 BOSTON  ,MA CYNID-OF-PT  BP  4E0L  0  0  1 50E0 RP-NT LSE CP,CVR                         PLSTC BT  0 01 1
1204. 2/17/73 BURLNGTN,NC WEED-KILLER  BP  4E0L  0  0 99 50E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM  0 02 1
1205. 2/19/73 SLT-LK-C,UT INSECTICIDE  BP 43E0L  0  0 99 16E0 RP-NT CONTR FLRE DROPPED                 GBTL/CTN  0 02 1
1206. 2/19/73 S CHARLS,WV METHOXYDIPR  BP 23E3L  0  0  9  0E0 RP-TK EXPLOSION  CHMCAL RE               CKG/MX T  0 04 3
1207. 2/20/73 LOGAN   ,ND METHANOL     FL 11E4L  0  0  6 40E2 RP-TK CONTR FLRE DRLMENT                 TK CR RR  0 02 1
1208. 2/20/73 LOGAN   ,ND METHANOL     FL 15E2L  0  0  1 50E0 RP-TK CONTR FLRE DRLMENT                 TK CR RR  0 02 1
1209. 2/20/73 PECOS   ,TX PHENOL       BP  0E0L  0  0 99  0E9 RP-TK CONTR FLRE DRLMENT                 TK CR RR  0 02 6
1210. 2/21/73 PRTLAVCA,TX AMM-NITRATE  OX 73E1K  0  0 99 64E0 RP-NT SHRP OBJ   UNKNOWN                 PLSTC BG  0 02 1
1211. 2/21/73 PRTLAVCA,TX AMM-NITRATE  OX 66E1K  0  0 99  0E9 RP-NT CONTR FLRE SHRP OBJ                PLSTC BG  0 02 1
1212. 2/21/73 CONCORD ,NC FORMIC-ACID  CL 38E1L  0  0  1 10E1 TS FL HSE,CPL FA UNKNOWN                 TK TRLR   0 51 1
1213. 2/21/73 TAFT    ,LA ADIPIC-ACID  CL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE COLLSN                  TK CR RR  1 02 6
1214. 2/21/73 TAFT    ,LA MULTIPLE     CL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE COLLSN                  TK CR RR  2 02 6
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1215. 2/21/73 TAFT     ,LA HEXAMETHYLE  CL  0E0U  0  0 99   0E9 RP-TK CONTR FLRE COLLSN                        TK CR RR  1 02 6
1216. 2/21/73 SUGAR-GR,PA MINERAL-OIL  FL  0E0U  0  0 99   0E9 TS FL HSE,CPL FA                               TK TRLR   0 0110
1217. 2/22/73 MIDLAND ,PA NITRIC-ACID  CL 19E0L  0  0  4   0E9 OVRFW OPN VALVE  PRNSLL ERR                    TK TRLR   0 01 1
1218. 2/22/73 POWER   ,WV SULFURIC-AC  CL 19E1L  0  0  1  15E0 OVRFW GAU MS/DFC PRNSLL ERR                    STO TANK  0 41 1
1219. 2/23/73 WILTON  ,CT HYDROCELLOSI CL 10E1L  0  0  2  25E0 OVRFW GAU MS/DFC                               STO TANK  0 41 1
1220. 2/23/73 WACO    ,TX DINITRO-PHE  BP  1E0K  0  0  1   0E9 RP-NT CONTR FLRE DFCTV WELD                    STL PAIL  0 02 1
1221. 2/24/73 KREMLIN ,OK ALC-METHYL   FL 75E3L  0  0  6  33E3 RP-TK DRLMENT    UNKNOWN                       TK CR RR  0 02 1
1222. 2/24/73 COLUMBUS,OH MURIATIC-AC  CL 45E2L  0  0  2  15E1 RP-TK COLLSN                                   TK TRLR   0422 1
1223. 2/24/73 PENSACLA,FL TOLUOL       FL 38E0L  1  0  1  90E0 RP-TK LKG CVR    OVRTURN                       TK TRLR   0 02 1
1224. 2/26/73 BOISE   ,ID INSECTICIDE  BP  4E0L  0  0 99  20E0 RP-NT CONTR FLRE DROPPED                       GBTL/CTN  0 01 1
1225. 2/27/73 FRESNO  ,CA INSECTICIDE  BP  1E0K  0  0 99   0E9 RP-NT CONTR FLRE DROPPED                       GBTL/CTN  0 01 1
1226. 2/28/73 S-HOLLNC,IL SOD-NITRITE  OX 45E0K  0  0  1  25E0 RP-NT SHRP OBJ   UNKNOWN                       PA BAG    0 02 1
1227. 3/ 1/73 BRIDGEPT,NJ PHENOL       BP 45E0K  0  0  1  15E0 TS FL VALVE BKN  MECH FAIL                     TK TRLR   0 51 1
1228. 3/ 1/73 ST-GEORG,UT MURIATIC-AC  CL 76E1L  0  0  1  75E0 RP-TK BODY FLRE  UNKNOWN                       TK TRLR   0 02 1
1229. 3/ 1/73 KNOXVILL,TN CAUS-SODA    CL 19E0L  0  0  1  20E0 RP-TK LSE CP,CVR                               TK CR RR  0 02 1
1230. 3/ 1/73 HARVEY  ,LA PAINT        FL 21E1L  0  0 99   0E9 TS FL HSE,CPL FA UNKNOWN                       STL DRUM  0 04 3
1231. 3/ 2/73 BRADDOCK,PA CYANIDE-SOD  BP  2E0L  0  0  1   5E0 RP-NT CONTR FLRE UNKNOWN                       STL DRUM  0 02 1
1232. 3/ 3/73 ONTARIO ,CO SULFURIC-AC  CL 38E1L  0  0  1   0E9 OVRFW UNKNOWN                                  STO TANK  0 01 1
1233. 3/ 5/73 ALBANY  ,NY SOD-ALUMINA  CL 38E0L  0  0 99  10E1 RP-NT CONTR FLRE                               STL DRUM  0 01 1
1234. 3/ 5/73 BAYONNE ,NJ CHLOROFORM   BP  4E0L  0  0  1   0E9 OTHER UNKNOWN                                  GBTL/CTN  0 02 1
1235. 3/ 5/73 OGLESBY ,CA CAUS-SODA    CL 83E3L  0  0  8  24E2 RP-TK SHRP OBJ   DRLMENT                       TK CR RR  0 02 1
1236. 3/ 6/73 DENVER  ,CO INSECTICIDE  BP  1E0K  0  0 99   0E9 RP-NT LSE CP,CVR                               STL PAIL  0 02 1
1237. 3/ 7/73 ENOLA   ,PA ACETONE      FL 28E2L  0  0  4  26E1 RP-TK VALVE BKN  DRLM&OVRTN                    TK CR RR  0 02 1
1238. 3/ 7/73 MACON   ,GA HYDROCHLORI  CL 76E1L  0  0  2   0E9 RP-TK CONTR FLRE UNKNOWN                       TK CR RR  0 02 1
1239. 3/ 7/73 MACON   ,GA HYDROCHLORI  CL 19E1L  0  0  1  30E1 RP-TK BODY FLRE  UNKNOWN                       TK CR RR  0 02 1
1240. 3/ 7/73 FAIRLAWN,NJ SOD-NITRITE  OX 45E0K  0  0  1  90E0 RP-NT SHRP OBJ   IMPR HNDLG                    PA BAG    0 02 1
1241. 3/ 7/73 ROME    ,GA MCS-10-16    UN 83E2L  0  0 99   0E9 OTHER UNKNOWN                                  TRNSFRMR  0 03 2
1242. 3/ 8/73 SHEFIELD,AL NITRIC-ACID  CL 14E0L  0  0  1  85E0 RP-NT CONTR FLRE DROPPED                       GBTL/CTN  0 01 1
1243. 3/ 9/73 INDIO   ,CA DINITRO-PHE  BP  7E0L  0  0  1   0E9 RP-NT CONTR FLRE UNKNOWN                       STL DRUM  0 02 1
1244. 3/ 9/73 AVON    ,IN CAUS-SODA    CL 57E3L  0  0  8  46E2 RP-TK SHRP OBJ   COLLSN                        TK CR RR  0 02 1
1245. 3/10/73 FLINT   ,MI TOLUENE      FL 64E1L  0  0  5   0E9 OVRFW OPN VALVE  PRNSLL ERR                    TK CR RR  0 02 1
1246. 3/12/73 PITTSBRG,PA INSECTICIDE  BP  0E0U  0  0 99   0E9 RP-NT CONTR FLRE IMP LDG                       FBRE BOX  0 00 1
1247. 3/12/73 TOLEDO  ,OH SOD-CHR-SOL  BP 22E1L  0  0  1   0E9 OVRFW HSE,CPL FA                               BOILER    0 04 2
1248. 3/12/73 OTTER-CR,OR SODIUM-CHRM  BP 22E1L  0  0  0   0E9 TS FL UNKNOWN                                            0 04 2
1249. 3/12/73 DEER PRK,TX BRINE        UN  0E0L  0  0 99   0E0 TS FL RPTRD PIPE OPEN       PRNSLL ERR PIPES     0 03 3
1250. 3/13/73 PRTLAVCA,TX AMM-NITRATE  OX 84E1K  0  0 99   0E9 RP-NT SHRP OBJ   IMP LDG                       PLSTC BG  0 02 1
1251. 3/13/73 99      ,99 AMM-NITRATE  OX 28E2K  0  0 99  20E1 RP-NT SHRP OBJ   IMP LDG                       PLSTC BG  0 02 1
1252. 3/13/73 SALISBRY,NC METH-ACRYLA  FL 15E2L  0  0  2  10E2 RP-TK CONTR FLRE UNKNOWN                       TK TRLR   0 02 1
1253. 3/13/73 PHILLIPS,NJ HYDR-ACD-AQ  CL 76E0L  0  0  1  10E2 RP-NT CONTR FLRE OVRTURN     IMP LDG           STL DRUM  0 92 1
1254. 3/14/73 LAFAYETE,LA AMM-NITRATE  OX 75E1K  0  0 99  66E0 RP-NT SHRP OBJ   IMP LDG                       PA BAG    0 02 1
1255. 3/14/73 MORGNTN ,NC HEAT XFR OIL UN  0E0L  0  0 99   0E0 RP-NT MECH FAIL  MTRL DFCT                     PIPES     0 04 3
1256. 3/15/73 NEWPORT ,DE SULFURIC-AC  CL 19E1L  0  0  1  25E0 TS FL HSE,CPL FA UNKNOWN                       TK TRLR   0 41 1
1257. 3/15/73 PALMERTN,PA SULFURIC-AC  CL 28E1L  0  0  1  10E1 OVRFW OPN VALVE  PRNSLL ERR                    TK TRLR   0362 1
1258. 3/15/73 CINCINAT,OH TRIFLUROACE  CL 11E0L  0  0  1  25E1 RP-NT SHRP OBJ   IMP LDG                       BGS/CTN   0 02 1
1259. 3/15/73 OGLESBY ,CA XYLOL        FL 56E4L  0  0  9  10E3 RP-TK SHRP OBJ   DRLMENT     RDWY CONDS TK CR RR  0 02 1
1260. 3/15/73 ONTARIO ,   MULTIPLE     UN 57E1L  0  0 99   0E9 OVRFW MECH FAIL                                          2 04 3
1261. 3/15/73 ONTARIOH,   LDRAULI-IO   UN 57E1L  0  0 99   0E9 TS FL HSE,CPL FA                                         1 04 3
1262. 3/15/73 ONTARIO ,   MOLTEN-METAL UN   0E0  0  0 99   0E9 OVRFW MECH FAIL                                          1 04 3
1263. 3/16/73 PRTLAVCA,TX AMM-NITRATE  OX 25E1K  0  0 99   0E9 RP-NT SHRP OBJ   UNKNOWN                       PLSTC BG  0 02 1
1264. 3/16/73 OHIO-RIV,99 LATEX        UN 38E2L  0  0 99   0E9 TS FL UNKNOWN                                            0 04 2
1265. 3/17/73 GAINSVIL,FL CREOSOTE     FL 19E2L  0  0  3   0E9 RP-TK CONTR FLRE EXPLOSION                     BOILER    0 04 2
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1266. 3/17/73 OHIO-RIV,99 LATEX        UN 38E2L  0  0 99  0E9 TS FL UNKNOWN                                            C G1 2
1267. 3/18/73 BR-COLUM,   HYDRAUL-OIL  UN 38E2L  0  0 99  0E9 RP-TK CONTR FLRE                                         0 05 3
1268. 3/19/73 FRESNO   ,CA DINITRO-PHE BP 19E0L  0  0  1 50E1 RP-NT FORKLIFT   PRNSLL ERR                   STL DRUM   0 50 1
1269. 3/19/73 PENCE    ,KS NITROGEN-LI UN 45E1K  0  0 99 28E1 TS FL UNKNOWN                                 TK TRLR    0 51 1
1270. 3/19/73 PRTLAUCA,TX AMM-NITRATE  OX 66E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                      PLSTC BG   0 02 1
1271. 3/21/73 SLT-LK-C,UT PARATHION-L  BP  1E0L  0  0  1  0E9 RP-NT CONTR FLRE UNKNOWN                      STL PAIL   C 02 1
1272. 3/22/73 COLUMBUS,CA WEED-KILLER  BP 19E0L  0  0 99 50E0 RF-NT CONTR FLRE MTRL DFCT                    STL PAIL   0 02 1
1273. 3/22/73 SHARE-CR,WI WEED-KILLER  BP 15E1L  0  0 99 75E0 CVRFW UNKNOWN                                 STO TANK   0 21 1
1274. 3/23/73 YORK     ,PA WEED-KILLER BP 15E0L  0  0 99  0E9 RP-NT CONTR FLRE IMPR HNDLG                   PBTL/CTN   0 02 1
1275. 3/25/73 HARLEM   ,TX ALC-METHYL  FL 57E2L  0  0  3 19E2 RP-TK SHRP OBJ   DRLMENT      UNKNOWN         TK CR RR   0 02 1
1276. 3/26/73 99       ,99 CAUS-POT-LI CL 19E2L  0  0  1 75E1 RP-TK CONTR FLRE UNKNOWN                      TK CR RR   C 02 1
1277. 3/26/73 RIVERSIC,AL NITRIC-ACID  CL 11E2K  0  0  6 25E0 RP-TK LKG CVR    OVRTURN                      TK TRLR    0 02 1
1278. 3/26/73 S-HOLLNC,IL WEED-KILLER  BP  0E0U  0  0 99  5E0 RP-NT CONTR FLRE UNKNOWN                                 C 02 1
1279. 3/26/73 NEW CSTL,DE LIME-SLAKED  CL  0E0U  0  0 99  4E2 RP-NT SPKLRS DSC FIRE         CHMCAL RE       PA BAG     0 03 3
1280. 3/28/73 PRTLAVCA,TX AMM-NITRATE  OX 24E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                      PLSTC BG   0 02 1
1281. 3/28/73 NACOGDCS,TX AMM-NITRATE  OX 27E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                      PA BAG     C 02 1
1282. 3/28/73 JACKSON ,MI MURIATIC-AC  CL 19E1L  0  0  1  5E0 CVRFW GAU MS/DFC                              STO TANK   0 01 1
1283. 3/29/73 NEW-ORLN,LA PERCHLORIC   CL 50E0K  0  0 99 11E1 RP-NT CONTR FLRE IMP LDG                      GBTL/CTN   0 G1 1
1284. 3/29/73 BRUNSWIC,CA SODIUM-ARSI  BP  1E0L  0  0  1  0E9 RP-NT SHRP OBJ   IMP LDG                      STL DRUM   0 02 1
1285. 3/29/73 LEMONT   ,IL XYLENE      FL 23E2L  0  0  1 16E1 OVRFW OPN VALVE  PRNSLL ERR                   TK TRLR    0 51 1
1286. 3/30/73 BELLE    ,WV TETRACHLORD UN 75E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                      STL DRUM   0 02 1
1287. 3/30/73 AMBROS-T,NY NAPTHA       FL  0E0U  0  0 99  0E9 RP-TK BODY FLRE  UNKNOWN                      SHIP       0 02 2
1288. 3/31/73 WARREN   ,MI SODIUM-HYDO FS 12E1K  0  0  1 25E2 RP-NT SHRP OBJ   IMP LDG                      STL DRUM   C 02 1
1289. 4/ 2/73 YAKIMA   ,WA INSECTICIDE BP  5E0K  0  0 99  0E9 RP-NT LSE CP,CVR                              PA BAG     C 02 1
1290. 4/ 2/73 W-COLMBI,SC WEED-KILLER  BP  4E0K  0  0 99  2E0 RP-NT SHRP OBJ   UNKNOWN                      PA BAG     0 02 1
1291. 4/ 3/73 LEXNGTON,KY ORGAN-PHOSP  BP  1E0K  0  0  1 10E0 RP-NT CONTR FLRE IMP LDG                      PA BAG     C 02 1
1292. 4/ 3/73 HOUSTON ,TX TOLUENE      FL  1E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN                      STL DRUM   0 02 1
1293. 4/ 3/73 OHIO-RIV,99 XYLENE       FL 76E2L  0  0  3  0E9 RP-TK HSE,CPL FA                              TK TRLR    0 03 2
1294. 4/ 4/73 TOLEDO   ,OH METHYLEN-BR BP 68E0L  0  0  1  0E9 RP-NT FORKLIFT   PRNSLL ERR                   STL DRUM   C 12 1
1295. 4/ 4/73 OHIO-RIV,WV XYLENE       FL 76E2L  0  0  3  0E9 GK AL UNKNOWN                                            0 03 2
1296. 4/ 5/73 BOISE    ,ID ORGAN-PHOSP BP  2E0L  0  0  1 55E0 RP-NT CONTR FLRE UNKNOWN                      STL PAIL   0 01 1
1297. 4/ 5/73 BROOKFLD,WI WEED-KILLER  BP 38E0L  0  0 99 10E0 TS FL CVRPRES    IMPR NZLE                    TK TRLR    C 51 1
1298. 4/ 6/73 MERIDIN ,CT HYDROGEN-PE  CL  8E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                      GBTL/CTN   0 02 1
1299. 4/ 6/73 BOYD     ,TX AMM-NITRATE OX 20E2K  0  0 99 18E1 RP-NT CONTR FLRE UNKNOWN                                 0 02 1
1300. 4/ 6/73 MERIDEN ,CT SOD-HYDX-LI  CL  1E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                      PBTL/CTN   C G1 1
1301. 4/ 6/73 CORPUS C,TX TRANSF OIL   FL 42E1L  0  0  1  0E0 RP-TK FIRE       FIRE                         STO TANK   0 04 3
1302. 4/ 8/73 LYONS    ,IL DINITRO-PHE BP  8E0L  0  0  2 10E2 RP-NT SHRP OBJ   IMP LDG                      STL DRUM   0 02 1
1303. 4/ 8/73 UNION C  ,TN QUENCH OIL  FL  0E0U  0  0 99  0E0 CVRFW SPKLRS DSC                              STO TANK   C C4 3
1304. 4/10/73 NORFOLK  ,VA HYDR-ACD-AQ CL 11E1L  0  0  1 20E2 RP-NT CONTR FLRE MTRL DFCT                    55 G DRM   0 01 1
1305. 4/10/73 GALODSTA,CA ASPHALT      UN 15E2L  0  0 99  0E9 OTHER UNKNOWN                                            0 01 2
1306. 4/11/73 MILWAUKE,WI NAPTHA       FL 57E2L  0  0  5 38E1 CVRFW PRNSLL ERR                              STO TANK   C 41 1
1307. 4/11/73 NAMPA    ,ID INSECTICIDE BP  2E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                      PBTL/CTN   0 02 1
1308. 4/11/73 PITTSFLD,MA PHENOL       BP 38E0L  0  0  1 15E0 RP-TK BODY FLRE                               TK TRLR    0 01 1
1309. 4/11/73 BYESVILL,OH HYDRAULI-OI  UN  0E0L  0  0 99  0E9 TS FL HSE,CPL FA                                         1 04 3
1310. 4/11/73 BYESVILL,OH MULTIPLE     UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL                                          2 04 3
1311. 4/11/73 BYESVILL,OH MOLTEN-METL  UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL  MLTN METAL                              1 04 3
1312. 4/12/73 SACRAMNT,CA INSECTICIDE  BP  0E0U  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                      STL PAIL   0 01 1
1313. 4/12/73 DAWSONVL,GA SULFURIC-AC  CL 21E3L  1  0  4 14E3 RP-TK SHRP OBJ   OVRTURN      PRNSLL ERR      TK TRLR    0 02 1
1314. 4/13/73 PONTOTOC,MS NITRIC-ACID  CL 38E1L  0  0  4 50E0 OVRFW UNKNOWN                                 STO TANK   0 01 1
1315. 4/15/73 PETERSBG,VA ETHAMIN-ANH  FL  5E0K  0  0  1  0E9 RP-NT LSE CP,CVR PRNSLL ERR                   STL DRUM   C 02 1
1316. 4/15/73 PENNSUCO,FL HEAT XFR OIL UN  0E0U  0  0 99  0E0 TS FL RPTRD PIPE MTRL DFCT                    CKG/MX T   0 04 3
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1317. 4/16/73 CALDWELL,ID INSECTICIDE  BP 19E0L  0  0 99 51E0 RP-NT CONTR FLRE IMPR HNDLG              STL PAIL 0 01 1
1318. 4/16/73 NASHVILL,TN CARBOLIC-AC  BP 11E1L  0  0  2  0E9 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 51 1
1319. 4/16/73 ALEXANDA,LA AMM-NITRATE  OX 45E1K  0  0 99 40E0 RP-NT SHRP OBJ   IMP LDG                PLSTC BG 0 02 1
1320. 4/16/73 MOBILE   ,AL PHENOL       BP  5E0K  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT              PBTL/CTN 0 01 1
1321. 4/16/73 WNST-SLM,NC CAUS-SODA    CL 21E1L  0  0  1 40E1 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
1322. 4/16/73 MEMPHIS ,TN WEED-KILLER  BP 19E0L  0  0 99 40E0 OTHER UNKNOWN                           STL PAIL 0 02 1
1323. 4/17/73 99      ,99 ORGAN-PHOSP  BP  2E0K  0  0  1 10E0 RP-NT CONTR FLRE DROPPED                PA BAG   0 01 1
1324. 4/17/73 WELCH   ,TX ANH-AMMONIA  UN 50E2K  0  0  4  0E9 RP-TK RLF VAL OP UNKNOWN                TK TRLR  0 01 1
1325. 4/18/73 JACKSNBG,WV FATTY-ACIDS  UN 19E1L  0  0  1  0E9 RP-TK DRLM&OVRTN                        TK CR RR 0 02 2
1326. 4/19/73 LANSDALE,PA ASPHALT      UN 11E1L  0  0 99  0E0 RP-NT DROPPED    PRNSLL ERR             PRTBL TK 0 03 3
1327. 4/19/73 BEIRNE  ,AR TRANSF OIL   FL  0E0U  0  0 99  0E0 RP-NT CONTR FLRE LIGHTNING              TRNSFRMR 0 03 3
1328. 4/22/73 MCNARY  ,TX CARBOLIC-AC  BP 80E3L  0  0 10 13E3 RP-TK SHRP OBJ   DRLM&OVRTN RCWY CONDS  TK CR RR 0 02 1
1329. 4/23/73 MCNARY  ,TX ALC-METHYL   FL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE DRLM&OVRTN             TK CR RR 0 02 2
1330. 4/24/73 NACOGDCS,TX AMM-NITRATE  OX 12E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                PLSTC BG 0 02 1
1331. 4/24/73 ASHBURYP,NJ BENZYL-CHLO  CL 21E1L  0  0  6 18E1 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 51 1
1332. 4/24/73 99      ,MI ORGAN-PHOSP  BP  4E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN                GLS BTLS 0 02 1
1333. 4/24/73 RICHMOND,VA INK          FL 21E1L  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
1334. 4/25/73 PRTLAVAC,TX AMM-NITRATE  OX 20E2K  0  0 99 18E1 RP-NT SHRP OBJ   IMP LDG                PLSTC BG 0 02 1
1335. 4/25/73 NACOGDCS,TX AMM-NITRATE  OX 59E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                PLSTC BG 0 02 1
1336. 4/25/73 ATCHAF-R,LA ETH-BENZENE  FL 64E4L  0  0  9  0E9 RP-TK SHRP OBJ   COLLSN                 BARGE TK 0 02 2
1337. 4/25/73 JACKSNBG,WV FATTY-ACID   UN 50E0L  0  0  1  0E9 RP-TK CONTR FLRE DRLMENT                TK CR RR 0 02 2
1338. 4/26/73 AMARILLO,TX WEED-KILLER  BP  4E0L  0  0 99 10E0 RP-NT CONTR FLRE IMP LDG                STL PAIL 0 02 1
1339. 4/26/73 SALT-L-C,UT PARATHION-L  BP  1E0L  0  0  1 75E0 RP-NT CONTR FLRE IMP LDG                         0 02 1
1340. 4/26/73 PULASKI ,VA AMINO-ETHYL  FL 76E2L  0  0  6  0E9 RP-TK COLLSN                            TK TRLR  1 02 2
1341. 4/26/73 PULASKI ,VA MULTIPLE     FL 13E3L  0  0  6  0E9 RP-TK COLLSN                            TK TRLR  2 02 2
1342. 4/26/73 PULASKI ,VA TRIETHANOLA  FL 57E2L  0  0  6  0E9 RP-TK COLLSN                            TK TRLR  1 02 2
1343. 4/27/73 PORTLAND,OR ORGAN-PHOSP  BP  1E0L  0  0  1 35E1 RP-NT MTRL DFCT                         STL PAIL 0 02 1
1344. 4/27/73 BALT    ,MD ALUMINA-PDR  UN 45E1K  0  0  1  0E9 RP-TK DRLMENT    PRNSLL ERR             BK CR RR 0 02 2
1345. 4/30/73 99      ,99 WEED-KILLER  BP 12E1K  0  0 99 50E0 RP-NT CONTR FLRE UNKNOWN                STL DRUM 0 02 1
1346. 5/ 1/73 TULSA   ,OK ARS-MIXTURE  BP  1E0L  0  0  1 25E0 RP-NT MTRL DFCT                         STL DRUM 0 02 1
1347. 5/ 1/73 LIMA    ,OH METH-PARTHI  BP  4E0L  0  0  1 60E1 RP-NT LSE CP,CVR                        GLS BTLS 0 02 1
1348. 5/ 1/73 JACKSNBG,WV FATTY-ACID   UN 38E1L  0  0  1  0E9 RP-TK CONTR FLRE DRLMENT                TK CR RR 0 02 2
1349. 5/ 2/73 CHARLSTN,SC PARATHION-L  BP  1E0L  0  0  1  0E9 RP-NT MTRL DFCT                         STL PAIL 0 02 1
1350. 5/ 2/73 GEISMAR ,LA ALC-METHYL   FL 95E1L  0  0  1 33E0 RP-TK LKG CVR    DRLMENT    RCWY CONDS  TK CR RR 0 02 1
1351. 5/ 2/73 PRTLAVAC,TX AMM-NITRATE  OX 11E2K  0  0 99 96E0 RP-NT SHRP OBJ   WET PACKNG             PLSTC BG 0 02 1
1352. 5/ 2/73 CHERRYVL,NC HERBICIDE    BP 11E0L  0  0 99 15E0 RP-NT CONTR FLRE DROPPED                GBTL/CTN 0 01 1
1353. 5/ 2/73 OPELOUSA,LA AMM-NITRATE  OX 52E1K  0  0 99 46E0 RP-NT SHRP OBJ   IMP LDG                PA BAG   0 02 1
1354. 5/ 3/73 SEATTLE ,WA INSECTICIDE  BP  8E0L  0  0 99 60E0 RP-NT CONTR FLRE DROPPED                GBTL/CTN 0 01 1
1355. 5/ 3/73 AMARILLO,TX INSECTICIDE  BP  4E0L  0  0 99 15E0 OTHER UNKNOWN                           GLS BTLS 0 01 1
1356. 5/ 3/73 CHELSEA ,MA CHEM-NOI     UN  0E0U  0  0 99  0E9 OTHER SPKLRS DSC FIRE                   PA BAG   0 04 3
1357. 5/ 4/73 DEERPARK,TX HYDROCHLORI  CL 19E0L  0  0  1 10E0 RP-TK OPN VALVE  PRNSLL ERR             TK TRLR  0 51 1
1358. 5/ 4/73 GOLDSBRO,NC WOOD-STAIN   UN 12E2K  0  0 99 45E1 TS FL HSE,CPL FA PRNSLL ERR             TK TRLR  0 01 1
1359. 5/ 4/73 ST-LOUIS,MO WEED-KILLER  BP  4E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                STL DRUM 0 02 1
1360. 5/ 4/73 CUMBRLND,MD PHENOL       BP 87E3L  0  0 10  0E9 OTHER UNKNOWN                           TK CR RR 0 02 2
1361. 5/ 4/73 CUMBERLN,MD PHENOL       BP 87E3L  0  0 10  0E9 RP-TK CONTR FLRE DRLMENT                TK CR RR 0 01 2
1362. 5/ 4/73 COOPRHIL,TN SULFURIC-AC  CL 38E1L  0  0  1  0E9 OTHER UNKNOWN                                    0 01 2
1363. 5/ 4/73 99      ,TX VINYL-CHLOR  FL  0E0U  0  0 99  0E9 OTHER DRLMENT    UNKNOWN                TK CR RR 0 02 2
1364. 5/ 4/73 COPPRHIL,TN SULFURIC-AC  CL 38E0L  0  0  1  0E9 OTHER UNKNOWN                                    0 01 2
1365. 5/ 5/73 MEMPHIS ,TN WEED-KILLER  BP  0E0U  0  0 99  0E9 OTHER UNKNOWN                                    0 02 1
1366. 5/ 5/73 PUERTO-R,   HYDRAUL-OIL  UN 23E2L  0  0 99  0E9 RP-NT BODY FLRE                         STL DRUM 1 03 3
1367. 5/ 5/73 PUERTO-R,   MULTIPLE     FL  0E0L  0  0  1  0E9 RP-NT BODY FLRE  EXPLOSION  FIRE        STL DRUM 2 03 3
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1368. 5/ 5/73 PUERTO-R,     GASOLINE      FL 21E1L  0  0  1   0E9 RP-NT BODY FLRE                                    STL DRUM 1 03 3
1369. 5/ 6/73 TWO RVRS,WI  PAINT          FL   0E0U 0  0 99   0E0 TS FL RPTRD PIPE OVRPRES     FIRE               PIPES    0 04 3
1370. 5/ 8/73 CARENCRO,LA  AMM-NITRATE    OX 45E1K  0  0 99  40E0 RP-NT SHRP OBJ   IMP LDG                        PA BAG   0 02 1
1371. 5/ 8/73 LENOIR-C,NC  ALC-ALDEHYD    FL 34E3L  0  0 10   0E9 OVRFW OPN VALVE  VANDALISM                      STO TANK 0 03 2
1372. 5/ 8/73 MARIETTA,GA  PROTEIN-FOM    UN 13E2L  0  0 99   0E9 OVRFW SPKLRS CSC                                PIPES    0 04 2
1373. 5/12/73 HAMPSTED,MD  NITROGEN-LI    UN   0E0U 0  0 99   0E9 RP-TK CONTR FLRE CLS&OVRTN                      TK TRLR  0 02 5
1374. 5/13/73 GULFSUMT,NY  ORG-AMON-CO    FL 76E2L  0  0  5   0E9 RP-TK CONTR FLRE DRLMENT                        TK CR RR 0 02 1
1375. 5/14/73 CHARLOTT,NC  INSECTICIDE    BP  4E0L  0  0 99   0E9 RP-NT CONTR FLRE DROPPED                        GBTL/CTN 0 01 1
1376. 5/15/73 OMAHA   ,NB  ORGAN-PHOSP    BP  2E0K  0  0  1  13E1 RP-NT CONTR FLRE WET PACKNG                     BCS/CTN  0 02 1
1377. 5/16/73 LUFKIN  ,TX  VINYL-CHLOR    FL 12E4L  0  0  6   0E9 RP-TK DRLM&OVRTN                                TK CR RR 0 02 2
1378. 5/17/73 99      ,CA  INSECTICIDE    BP  4E0L  0  0 99   0E9 RP-NT CONTR FLRE DROPPED                        GBTL/CTN 0 02 1
1379. 5/17/73 BALTIMOR,MD  NITRIC-ACID    CL 27E1L  0  0  4   0E9 RP-NT CONTR FLRE DROPPED                        STL DRUM 0 01 1
1380. 5/17/73 ETOWAH  ,TN  SULFURIC-AC    CL 98E2L  0  0  3   0E9 OTHER UNKNOWN                                            0 03 2
1381. 5/18/73 ROCK-MRT,CA  ACRYLONITRI    FL 90E2K  0  0  8  10E3 RP-TK VALVE BKN  DRLM&OVRTN                     TK CR RR 0 02 1
1382. 5/18/73 BRISTOL ,UA  MAGNUS-755     FL 19E2L  0  0 99   0E9 OTHER UNKNOWN                                            0 04 2
1383. 5/20/73 POCATELD,ID  INSECTICIDE    BP 30E1L  0  0 99  10E1 RP-NT BODY FLRE                                 STL DRUM 0 02 1
1384. 5/21/73 OAKLAND ,CA  ARS-MIXTURE    BP  2E0L  0  0  1   0E9 RP-NT CONTR FLRE MTRL DFCT                      STL DRUM 0 02 1
1385. 5/22/73 WARWICK ,PA  NITROGEN-LI    UN 60E2L  0  0 99   0E9 RP-TK CONTR FLRE OVRTURN                        TK TRLR  0 02 2
1386. 5/22/73 ROCKMART,CA  ACRYLONITRI    FL   0E0U 0  0 99   0E9 OTHER DRLMENT                                   TK CR RR 0 02 2
1387. 5/23/73 DALLAS  ,TX  BROMINE        CL 24E0K  0  0  1  26E0 RP-NT CONTR FLRE DROPPED                        GBTL/CTN 0 51 1
1388. 5/23/73 MENTOR  ,OH  CHLOROSULFO    CL 85E3K  0  0  6  90E2 RP-TK LKG CVR    DRLMENT                        TK CR RR 0 02 1
1389. 5/25/73 MOBILE  ,AL  PHENOL         BP  2E0K  0  0  1  70E0 RP-NT CONTR FLRE UNKNOWN                        PLSTC BT 0 02 1
1390. 5/25/73 ALIQUIPA,PA  SULFURIC-AC    CL 76E3L  0  0  6   0E9 RP-TK CONTR FLRE UNKNOWN                        STO TANK 03E1 2
1391. 5/27/73 MORGAN-C,LA  BENZENE        FL 57E2L  0  0  2   0E9 RP-TK SHRP OBJ   COLLSN                         BARGE TK 0 02 2
1392. 5/29/73 SYRACUSE,NY  DINITRO-PHE    BP 19E0L  0  0  1  20E0 RP-NT SHRP OBJ                                  STL PAIL 0 02 1
1393. 5/29/73 ALIQUIPA,PA  SULFURIC-AC    CL 38E3L  0  0  5   0E9 RP-TK CONTR FLRE UNKNOWN                        STO TANK 03E1 2
1394. 5/29/73 ALIQUIPA,PA  SULFURIC-AC    CL 38E3L  0  0  5   0E9 RP-TK CONTR FLRE UNKNOWN                        STO TANK 0 03 2
1395. 5/30/73 99      ,WV  FLAM-LIQ-UN    FL 95E1L  0  0  8  30E1 RP-TK VALVE BKN  PRNSLL ERR                     TK TRLR  0 01 1
1396. 5/30/73 UNION   ,CT  OLEUM          CL 11E2L  0  0  1  50E1 TS FL HSE,CPL FA                                TK TRLR  0 21 1
1397. 5/31/73 MISHAWAK,IN  PHENOL         BP 38E0L  0  1  1   0E9 OVRFW IMP LDG    PRNSLL ERR                     TK TRLR  0 51 1
1398. 5/31/73 LITTLFAL,NY  CAUS-SODA      CL 57E0L  1  0  1  50E0 RP-NT CONTR FLRE UNKNOWN                        STL DRUM 0 02 1
1399. 6/ 1/73 DUMFIRES,VA  AMM-NITRATE    OX 20E3K  0  0 99  20E2 RP-TK CONTR FLRE OVRTURN                        TK TRLR  0 02 1
1400. 6/ 3/73 MARATHON,TX  CARBOLIC-AC    BP 19E3L  0  0  9  30E2 RP-TK SHRP OBJ   COLLSN                         TK CR RR 0 02 1
1401. 6/ 3/73 E LNSDOWN,PA INK            FL 21E3L  0  0 99   0E0 RP-NT EXPLOSION  FIRE        VANDALISM          STL DRUM 0 03 3
1402. 6/ 4/73 LOGAN   ,NM  PHOSPHENE-O    BP 38E0L  0  0 99   0E9 RP-NT FORKLIFT   PRNSLL ERR                     STL DRUM 0 01 1
1403. 6/ 5/73 BROWLEY ,CA  ORGAN-PHOSP    BP  4E0L  0  0  1  60E1 RP-NT MTRL DFCT                                 STL DRUM 0 02 1
1404. 6/ 6/73 POKEGAMA,WI  SOD-NITRATE    OX 55E3K  0  0  8   0E9 RP-TK SHRP OBJ   DRLMENT                        BK CR RR 0 02 1
1405. 6/ 6/73 CHAPEL-H,NC  MULTIPLE       UN 15E3L  0  0  4   0E9 OTHER UNKNOWN                                            2 04 2
1406. 6/ 6/73 CHAPEL-H,NC  ALUM           UN 15E3L  0  0  4   0E9 OTHER UNKNOWN                                            1 04 2
1407. 6/ 6/73 CHAPEL-H,NC  IRON-SULFAT    UN 15E3L  0  0  4   0E9 OTHER UNKNOWN                                            1 04 2
1408. 6/ 8/73 WILMNGTN,DE  METH-ETYL-K    FL  4E0L  0  0  1   0E9 RP-TK LSE CP,CVR                                TK TRLR  0 02 2
1409. 6/11/73 BRISTOL ,UA  MAGNUS-755     FL 19E2L  0  0  3   0E9 OTHER PRNSLL ERR                                         0 03 2
1410. 6/11/73 CLEVELND,TN  SULFURIC-AC    CL  1E1L  0  0  1   0E9 RP-TK LSE CP,CVR                                TK TRLR  0 02 2
1411. 6/12/73 SNOWY-CR,VA  STYPOL         UN 19E3L  0  0 99   0E9 RP-TK CONTR FLRE OVRTURN                        TK TRLR  0 02 2
1412. 6/12/73 IRON-CRE,TX  MULTIPLE       FL 37E3L  0  0 10   0E9 RP-TK DRLM&OVRTN UNKNOWN                        TK CR RR 2 02 2
1413. 6/12/73 99      ,VA  AMM-NITRATE    OX  1E2K  0  0 99   0E9 RP-TK CONTR FLRE COLLSN                         BK TRLR  0 02 2
1414. 6/12/73 IRON-CRE,TX  MOLASSES       UN   0E0U 0  0 10   0E9 RP-TK DRLM&OVRTN UNKNOWN                        TK CR RR 1 02 2
1415. 6/12/73 ORANGE  ,TX  CYCLOHEXANE    FL 76E1L  0  0  2   0E9 TS FL UNKNOWN                                            0 01 2
1416. 6/12/73 IRON-CRE,TX  TOLUENE        FL 37E3L  0  0 10   0E9 RP-TK DRLM&OVRTN UNKNOWN                        TK CR RR 1 02 2
1417. 6/13/73 BEDFORD ,OH  SODIUM-HYDX    CM 13E1L  0  0  1  15E0 TS FL HSE,CPL FA                                TK TRLR  0 21 1
1418. 6/13/73 KINGSPRT,TN  DOW-THERM      BP 57E1L  0  0  2   0E9 OTHER UNKNOWN                                            0 00 2
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1419. 6/13/73 FREEPORT,TX CYANO-PYRID  CL 57E3L  0  0 99  0E9 RP-TK VALVE BKN                                     STO TANK 0 03 2
1420. 6/13/73 PORTALES,NM PARA-FORMAL  FL 57E1K  0  0  2  0E9 RP-TK UNKNOWN    OVRTURN                         BK TRLR  0 02 2
1421. 6/13/73 GEISMER ,LA PHOSPH-ACID  CL  0E0U  0  0 99  0E9 TS FL UNKNOWN                                                0 01 2
1422. 6/13/73 THOMASTN,CA ASPHALT      UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                                0 02 2
1423. 6/13/73 LOGAN   ,NM PHOSPHENE-O  BP 26E1K  3  0 99  0E9 RP-TK CONTR FLRE UNKNOWN                             BK TRLR  0 02 2
1424. 6/14/73 LOS-ANGL,CA INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                             STL PAIL 0 01 1
1425. 6/14/73 HAMPTON ,SC NAPHTHALITE  FL 95E0L  0  0  1  0E9 RP-TK COLLSN                                          TK TRLR  0 02 2
1426. 6/15/73 TULSA   ,OK POT-CYANIDE  BP 38E2L  0  0 10  0E9 RP-TK MTRL DFCT                                       STO TANK 0 03 2
1427. 6/15/73 HENRIETA,OK CHROMATES    BP 10E5L  0  0 10  0E9 OVRFW INTNL REL  VANDALISM                           STO TANK 0 06 2
1428. 6/17/73 BELVIDER,IL CAUS-POTASH  CL  3E0K  0  0  1  0E9 RP-NT CONTR FLRE OVRTURN                             STL DRUM 0 02 1
1429. 6/18/73 PORTLAND,OR ORGAN-PHOSP  BP  1E0L  0  0  1 50E1 RP-NT CONTR FLRE IMP LOC                                      0 02 1
1430. 6/18/73 SECAUCUS,NJ HYDROGEN-PE  CL 21E1L  0  0  3 80E0 RP-NT SHRP OBJ   UNKNOWN                             55 G DRM 0 01 1
1431. 6/18/73 COLUMBUS,OH MURIATIC-AC  CL  3E2L  0  0  3 12E2 OTHER UNKNOWN                                         SS CRBY  0 01 1
1432. 6/18/73 LELAND  ,NC METHANOL     FL 60E2L  0  0  2  0E9 RP-TK VALVE BKN                                                0 03 2
1433. 6/19/73 CLEVLAND,OH SODIUM-CYND  BP  0E0U  0  0 99  0E9 RP-NT LSE CP,CVR UNKNOWN                             STL DRUM 0 02 1
1434. 6/19/73 SANGER  ,CA INSECTICIDE  BP  1E0K  0  0 99  0E9 RP-NT FORKLIFT    PRNSLL ERR                          BGS/CTN  0 51 1
1435. 6/21/73 PORTSMTH,VA ANH-AMMONIA  UN  0E0U  2  0 99  0E9 TS FL HSE,CPL FA                                      GA CYLDR 0451 2
1436. 6/21/73 99      ,99 ANH-AMMONIA  UN  0E0U 20  0 99  0E9 TS FL HSE,CPL FA                                               0411 2
1437. 7/ 6/73 SAVANAHR,99 TALLOW       UN 11E4L  0  0 99  0E9 RP-TK UNKNOWN                                         SHIP     0 00 2
1438. 7/13/73 MARTINEZ,CA SULFURIC-AC  CL 76E3L  0  0  6  0E9 TS FL HSE,CPL FA                                               0 01 2
1439. 8/14/73 PORTLAND,OR ANILINE-OIL  BP  3E0K  0  0  1 50E0 RP-NT CONTR FLRE UNKNOWN                                      0 02 1
1440. 8/14/73 SPRING-R,AR METH-CHLORI  UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE DRLMENT                             PBTL/CTN 0 82 2
1441.10/24/73 CHICAGO ,IL GRAPE JUICE  UN 15E4L  0  0 99 52E3 RP-TK VALVE BKN  OVRTURN           MECH FAIL         TK TRLR  0 03 3
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APPENDIX G HAZARDOUS MATERIAL SPILLS BY MATERIAL

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                                   EPA SPILL STUDY

                                                 F
                                                 A
                                              I  T           P                                               O
                                          Q   N  A           R                                               P  S
                                          U   J  L  H        I                                                  O
                                          A   U  I  A        M                                               EA U
                                          N   R  T  Z        A                                               QR R
                                          I   I  I  A        R                                               UE C
                                          T   E  E  R        Y                                               PA E
                                          Y   S  S  D
   DATE     LOCATION     MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M

                ACETALDEHYDE SPILLS---SYN.--ALCOHOL ALDEHYDE
                                                 F
                                                 A
                                              I  T           P                                               O
                                          Q   N  A           R                                               P  S
                                          U   J  L  H        I                                                  O
                                          A   U  I  A        M                                               EA U
                                          N   R  T  Z        A                                               QR R
                                          I   I  I  A        R                                               UE C
                                          T   E  E  R        Y                                               PA E
                                          Y   S  S  D
   DATE     LOCATION     MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/24/71 COSGROVE,MO ACETALDEHYD  FL 17E3L  0  0  9 17E2 RP-TK RLF VAL OP UNKNOWN               TK CR RR 0 02 1
2. 5/ 8/73 LENOIR-C,NC ALC-ALDEHYD  FL 34E3L  0  0 10  0E9 OVRFW OPN VALVE  VANDALISM             STO TANK 0 03 2

                ACETIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P                                               O
                                          Q   N  A           R                                               P  S
                                          U   J  L  H        I                                                  O
                                          A   U  I  A        M                                               EA U
                                          N   R  T  Z        A                                               QR R
                                          I   I  I  A        R                                               UE C
                                          T   E  E  R        Y                                               PA E
                                          Y   S  S  D
   DATE     LOCATION     MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/30/72 NEWTOWN ,PA ACETIC-ACID  CL  0E0U  0  0 99  0E9 OTHER PRNSLL ERR FIRE                           4 03 3

                ACETIC ACID, ISOPROPYL ESTER SPILLS---SYN---ISOPROPYL ACETATE
                                                 F
                                                 A
                                              I  T           P                                               O
                                          Q   N  A           R                                               P  S
                                          U   J  L  H        I                                                  O
                                          A   U  I  A        M                                               EA U
                                          N   R  T  Z        A                                               QR R
                                          I   I  I  A        R                                               UE C
                                          T   E  E  R        Y                                               PA E
                                          Y   S  S  D
   DATE     LOCATION     MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/13/72 WAVERLY ,PA ISOPRO-ACET  FL 20E1L  0  0  1  0E9 RP-TK VALVE BKN  UNKNOWN               TK TRLR  0362 I
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                ACETONE SPILLS
                                            F
                                            A
                                          I T                  P                                                          O
                                   Q      N A                  P                                                          P S
                                   U      J L H                I                                                            O
                                   A      U I A                M                                                          EA U
                                   N      R T Z                A                                                          QP R
                                   I      I I A                R                                                          UE C
                                   T      E E R                Y                                                          PA E
                                   Y      S S D                                                          CONTAINER M
  DATE     LOCATION    MATERIAL  CLASS           DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE              TK CR RR 0 02 9
1. 1/ 1/68 DUPEITH  ,IN ACETONE     FL  0E0U  5  0 99  0E0 RP-TK DRLMENT                                  TK CR RR 1 0211
2.10/19/71 HOUSTON  ,TX ACETONE     FL  0E0U 50  1  7  0E9 RP-TK SHRP OBJ   DRLMENT                       TK TRLR  0 01 1
3. 5/ 8/72 CORAPOLS,PA ACETONE      FL 11E1L  0  0  1 12E3 RP-TK VALVE BKN                                STL DRUM 0 03 3
4. 9/23/72 WLMNGTON,DE ACETONE      FL  0E0U  0  0 99  0E0 RP-NT EXPLOSION  FIRE       VANDALISM          GLS BTLS 0 04 3
5.10/ 4/72 BUFFULO  ,NY ACETONE     FL  2E0K  0  0  1  0E9 OVRFW CONTR FLRE CHMCAL RE                     TK TRLR  0 00 6
6.12/13/72 BALTIMOR,MD ACETONE      FL 95E1L  0  0  2  0E9 RP-TK BODY FLRE  DFCTV WELD                    TK CR RR 0 02 1
7. 1/25/73 STITIS   ,KY ACETONE     FL 52E3L  0  0  8  0E9 RP-TK DRLMENT    UNKNOWN                       TK CR RR 0 02 1
8. 3/ 7/73 ENOLA    ,PA ACETONE     FL 28E2L  0  0  4 25E1 RP-TK VALVE BKN  DRLMEOVFTN

                ACETONITRILE SPILLS
                                            F
                                            A
                                          I T                  P                                                          O
                                   Q      N A                  R                                                          P S
                                   U      J L H                I                                                            O
                                   A      U I A                M                                                          EA U
                                   N      R T Z                A                                                          QR R
                                   I      I I A                R                                                          UE C
                                   T      E E R                Y                                                          PA E
                                   Y      S S D                                                          CONTAINER M
  DATE     LOCATION    MATERIAL  CLASS           DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE              STL DRUM 0 01 1
1. 1/25/72 PHILADEL,PA ACETONITRIL  FL 10E1L  0  0  1 15E1 RP-NT CONTR FLRE IMP LDG

                ACETYLENE TETRACHLORIDE SPILLS
                                            F
                                            A
                                          I T                  P                                                          O
                                   Q      N A                  R                                                          P S
                                   U      J L H                I                                                            O
                                   A      U I A                M                                                          EA U
                                   N      R T Z                A                                                          QR R
                                   I      I I A                R                                                          UE C
                                   T      E E R                Y                                                          PA E
                                   Y      S S D                                                          CONTAINER M
  DATE     LOCATION    MATERIAL  CLASS           DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE              GLS BTLS 0 01 1
1. 8/ 9/71 WINSTON  ,NC ACETYLEN-TE BP  4E0L  0  0  1  0E9 RP-NT UNKNOWN
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                ACROLEIN INHIB. SPILLS---SYN.--ACROLEIN
                                                 F
                                                 A
                                              I  T          P
                                         Q    N  A          R                                                O
                                         U    J  L  H       I                                                 P S
                                         A    U  I  A       M                                                   O
                                         N    R  T  Z       A                                                EA U
                                         I    I  I  A       R                                                QP R
                                         T    E  E  R       Y                                                UF C
                                         Y    S  S  D                                                        PA E
   DATE    LOCATION     MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/15/71 NEW-ORLN,LA ACROLEIN-IN  CL 21E1L 20  0  3  0E9 RP-NT CONTR FLRE DROPPED               STL DRUM 0411 1

                ACRYLONITRILE SPILLS
                                                 F
                                                 A
                                              I  T          P
                                         Q    N  A          R                                                O
                                         U    J  L  H       I                                                 P S
                                         A    U  I  A       M                                                   O
                                         N    R  T  Z       A                                                EA U
                                         I    I  I  A       R                                                QR R
                                         T    E  E  R       Y                                                UE C
                                         Y    S  S  D                                                        PA E
   DATE    LOCATION     MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/20/71 HUNTINGT,OH ACRYLONITRI  FL 12E4K  0  0 13 45E3 RP-TK SHPP OBJ   DRLMENT               TK CR RR 0 02 1
2. 1/ 9/72 TENN-RIV,TN ACRYLONITRI  FL 13E1L  0  0  3  0E9 OTHER UNKNOWN                          BARGE TK 0 02 2
3. 9/25/72 NEWARK   ,NJ ACRYLONITRI  FL 38E1L  0  0 99  0E9 TS FL HSE,CPL FA MTRL DFCT             TK TRLR 0 01 1
4.10/ 8/72 NASHVILE,TN ACRYLONITRI  FL 13E1L  0  0  2  0E9 RP-TK CONTR FLRE COLLSN                BARGE TK 0 02 6
5. 5/18/73 ROCK-MRT,GA ACRYLONITRI  FL 90E2K  0  0  9 10E3 RP-TK VALVE BKN  DRLM&OVRTN            TK CR RR 0 02 1
6. 5/22/73 ROCKMART,GA ACRYLONITRI  FL  0E0U  0  0 99  0E9 OTHER DRLMENT                          TK CR RR 0 02 2

                ADIPIC ACID SPILLS
                                                 F
                                                 A
                                              I  T          P
                                         Q    N  A          R                                                O
                                         U    J  L  H       I                                                 P S
                                         A    U  I  A       M                                                   O
                                         N    R  T  Z       A                                                EA U
                                         I    I  I  A       R                                                QR R
                                         T    E  E  R       Y                                                UE C
                                         Y    S  S  D                                                        PA E
   DATE    LOCATION     MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/22/72 KINGSPRT,TN ADIPIC-ACID  CL 40E2K  0  0  1  0E9 OTHER UNKNOWN                                   0 06 2
2. 2/21/73 TAFT     ,LA ADIPIC-ACID  CL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE COLLSN                TK CR RR 1 02 6
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                        ALCOHOL,ALLYL SPILLS
                                                F
                                                A
                                             I  T          P                                                 O
                                        Q    N  A          R                                                 P  S
                                        U    J  L  H       I                                                    O
                                        A    U  I  A       M                                                 EA U
                                        N    R  T  Z       A                                                 QR R
                                        I    I  I  A       R                                                 UE C
                                        T    E  E  R       Y                                                 PA E
                                        Y    S  S  D
   DATE      LOCATION  MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1. 6/28/71 S-KEARNY,NJ ALC-ALLYL   BP 18E1K  0  0  3  0E9 RP-NT MTRL DFCT                        STL DRUM  0 02 1

                        ALCOHOL,DENATURED.SPILLS
                                                F
                                                A
                                             I  T          P                                                 O
                                        Q    N  A          R                                                 P  S
                                        U    J  L  H       I                                                    O
                                        A    U  I  A       M                                                 EA U
                                        N    R  T  Z       A                                                 QR R
                                        I    I  I  A       R                                                 UE C
                                        T    E  E  R       Y                                                 PA E
                                        Y    S  S  D
   DATE      LOCATION  MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1. 7/14/72 KNOXVLLE,TN ALC-DENATUR FL 38E3L  0  0  5  1E3 OVRFW UNKNOWN    UNKNOWN               TK CR RR  0 01 1

                        ALCOHOL, ETHYL SPILLS
                                                F
                                                A
                                             I  T          P                                                 O
                                        Q    N  A          R                                                 P  S
                                        U    J  L  H       I                                                    O
                                        A    U  I  A       M                                                 EA U
                                        N    R  T  Z       A                                                 QR R
                                        I    I  I  A       R                                                 UE C
                                        T    E  E  R       Y                                                 PA E
                                        Y    S  S  D
   DATE      LOCATION  MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1.12/28/72 JAMEVLLE,MA ALC-ETHYL   FL 23E4K  0  0  6  5E3 PP-TK DRLM&OVRTN VALVE BKN             TK CR RR  0 02 1
2. 1/ 8/73 SPARLAND,IL ALC-ETHYL   FL 19E4L  0  0  6 15E3 RP-TK CONTR FLRE DRLM&OVRTN UNKNOWN    TK CR RR  0 02 1
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                              ALCOHOL, ISOPROPYL SPILLS---SYN---ISOPROPANOL
                                                   F
                                                   A
                                                I  T           P
                                             Q  N  A           R                                                 O
                                             U  J  L  H        I                                                  P S
                                             A  U  I  A        M                                                    O
                                             N  R  T  Z        A                                                 EA U
                                             I  I  I  A        R                                                 QR R
                                             T  E  E  R        Y                                                 UE C
                                             Y  S  S  D                                                          PA E
    DATE    LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE  CONTAINER M
 1. 1/ 3/73 S-CHARLS,WV ISOPROPANEL   FL 11E0L  0  0  1  0E9 RP-TK LSE CP,CVR PRNSLL ERR             BARGE TK  0 01 2
 2. 9/ 8/72 MIDLAND ,MI ISOPROPANOL   FL 19E1L  0  0  1  2E0 TS FL HSE,CPL FA BRAKE FLRE             TK TRLR   0 01 1
 3. 7/ 9/70 LONG-ISL,NY ALC-ISOPROP   FL  0E0U  0  0 99  0E9 OVRFW DROPPED    PRNSLL ERR                       0 04 3
 4. 3/ 3/71 HAZEN   ,AR ALC-ISOPROP   FL 12E3L  0  0  2 25E3 RP-TK SHRP OBJ   COLLSN      RDWY CONDS TK TRLR   0 02 1
 5. 1/30/73 TULLY   ,NY ALC-ISOPROP   FL 24E3L  0  0  3 30E2 RP-TK SHRP OBJ   CLS&OVRTN              TK TRLR   0 02 1

                              ALCOHOL,METHYL SPILLS---SYN--METHANOL
                                                   F
                                                   A
                                                I  T           P
                                             Q  N  A           R                                                 O
                                             U  J  L  H        I                                                  P S
                                             A  U  I  A        M                                                    O
                                             N  R  T  Z        A                                                 EA U
                                             I  I  I  A        R                                                 QR R
                                             T  E  E  R        Y                                                 UE C
                                             Y  S  S  D                                                          PA E
    DATE    LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE  CONTAINER M
 1. 2/10/71 CHICAGO ,IL ALC-METHYL    FL 27E4L  0  0  8 20E3 RP-TK CONTR FLRE DRLMENT                TK CR RR  1 02 1
 2. 2/ 4/73 LOWLAND ,TN ALC-METHYL    FL 76E2L  0  0  1 25E0 OVRFW PRNSLL ERR                        STO TANK  0 41 1
 3. 2/24/73 KREMLIN ,OK ALC-METHYL    FL 75E3L  0  0  6 33E3 RP-TK DRLMENT    UNKNOWN                TK CR RR  0 02 1
 4. 3/25/73 HARLEM  ,TX ALC-METHYL    FL 57E2L  0  0  3 19E2 RP-TK SHRP OBJ   DRLMENT     UNKNOWN    TK CR RR  0 02 1
 5. 4/23/73 MCNARY  ,TX ALC-METHYL    FL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE DRLM&OVRTN             TK CR RR  0 02 2
 6. 5/ 2/73 GEISMAR ,LA ALC-METHYL    FL 95E1L  0  0  1 33E0 RP-TK LKG CVR    DRLMENT     RDWY CONDS TK CR RR  0 02 1
 7. 9/ 2/71 ETONTOWN,NJ METHANOL      FL  4E0L  0  0  1  0E0 RP-NT DROPPED    PRNSLL ERR  FIRE       PLSTC DR  0 03 3
 8. 2/24/72 KREMLIN ,OK METHANOL      FL 75E3L  0  0  6  0E9 RP-TK UNKNOWN    DRLMENT                TK CR RR  0 02 6
 9. 6/15/72 HOUSTON ,TX METHANOL      FL 11E2L  2  0  1  0E0 RP-NT EXPLOSION  CHMCAL RE   FORGN SUBS STL DRUM  2 04 3
10. 7/10/72 WRIGHTS ,IL METHANOL      FL 20E3K  0  0  4  0E9 RP-TK DRLMENT                           TK CR RR  0 02 1
11.11/20/72 STOCKHAM,AZ METHANOL      FL 80E3L  0  0  6 36E2 RP-TK SHRP OBJ   DRLMENT     MTRL DFCT  TK CR RR  0 02 1
12.12/ 2/72 LOWLAND ,TN METHANOL      FL 57E2L  0  0  3 20E1 RP-TK LSE CP,CVR MTRL DFCT              TK TRLR   0 02 1
13. 0/ 0/73 KANAWHAR,WV METHANOL      FL 30E3L  0  0  5  0E9 OTHER PRNSLL ERR                                  0 03 2
14. 2/ 9/73 SAN-ANTO,TX METHANOL      FL 11E3L  0  0  3 50E1 RP-TK CONTR FLRE UNKNOWN                TK CR RR  0 02 1
15. 2/20/73 LOGAN   ,ND METHANOL      FL 15E2L  0  0  1 50E0 RP-TK CONTR FLRE DRLMENT                TK CR RR  0 02 1
16. 2/20/73 LOGAN   ,ND METHANOL      FL 11E4L  0  0  6 40E2 RP-TK CONTR FLRE DRLMENT                TK CR RR  0 02 1
17. 6/18/73 LELAND  ,NC METHANOL      FL 60E2L  0  0  2  0E9 RP-TK VALVE BKN                                   0 03 2
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                    ALCOHOL SPILLS
                                                F
                                                A
                                             I  T         P                                                  O
                                        Q    N  A         R                                                  P S
                                        U    J  L  H      I                                                    O
                                        A    U  I  A      M                                                 EA U
                                        N    R  T  Z      A                                                 QR R
                                        I    I  I  A      R                                                 UE C
                                        T    E  E  R      Y                                                 PA E
                                        Y    S  S  D
    DATE     LOCATION     MATERIAL  CLASS            DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/ 3/72 WOLCOTT ,IN ALCOHOL-UNS FL 76E3L  0  0  6 20E3 RP-TK DRLMENT    SHRP OBJ   RDWY CONDS TK CR RR 0 02 1
2. 2/ 7/71 UMLI    ,OR ALCOHOL-UNS FL 15E3L  0  0  4 14E3 RP-TK LKG CVR    DRLMENT                 TK TRLR 0 02 1
3. 5/20/72 PITTSBRG,PA ALCOHOL-UNS FL  8E0L  0  0  1  0E9 TS FL UNKNOWN                                    0 01 6

                    ALDACIDE SPILLS
                                                F
                                                A
                                             I  T         P                                                  O
                                        Q    N  A         R                                                  P S
                                        U    J  L  H      I                                                    O
                                        A    U  I  A      M                                                 EA U
                                        N    R  T  Z      A                                                 QR R
                                        I    I  I  A      R                                                 UE C
                                        T    E  E  R      Y                                                 PA E
                                        Y    S  S  D
    DATE     LOCATION     MATERIAL  CLASS            DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 3/71 OKLAHOMA,OK ALDACIDE    BP 36E0K  0  0 99  0E9 OTHER UNKNOWN                            PA BAG  0 02 1

                    ALLYL CHLORIDE SPILLS
                                                F
                                                A
                                             I  T         P                                                  O
                                        Q    N  A         R                                                  P S
                                        U    J  L  H      I                                                    O
                                        A    U  I  A      M                                                 EA U
                                        N    R  T  Z      A                                                 OR R
                                        I    I  I  A      R                                                 UE C
                                        T    E  E  R      Y                                                 PA E
                                        Y    S  S  D
    DATE     LOCATION     MATERIAL  CLASS            DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/14/72 LEMONT  ,IL ALLYL-CHLOR FL 10E1K  0  0  1 18E3 RP-TK CONTR FLRE BODY FLRE  UNKNOWN    TK TRLR 0 02 1
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                       ALPHA MONOCHLOROPRIONIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/21/72 MIDLAND ,MI ALPHA-MONOC  CL 34E2L  2  0  4 12E2 OVRFW GSKT FAIL  OPN VALVE  PRNSLL ERR TK TRLR  0 51 1

                       ALUM SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 6/73 CHAPEL-H,NC ALUM         UN 15E3L  0  0  4  0E9 OTHER UNKNOWN                                   1 04 2

                       AMINO ETHYL ETHANOLAMINE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/26/73 PULASKI ,VA AMINO-ETHYL  FL 76E2L  0  0  6  0E9 RP-TK COLLSN                           TK TRLR  1 02 2

                       AMMONIA SPILLS---ANHYDROUS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/18/69 CRETE    ,NB ANH-AMMONIA  UN  0E0U  5  0 99  0E0 RP-TK DRLMENT                          TK CR RR 0302 9
2. 8/ 7/69 SOLOMON ,KA ANH-AMMONIA  UN 15E4L  0  0  9 25E0 OVRFW RPTRD PIPE STRK BY V             PIPES    0 02 7
3. 9/ 7/69 FARNSWTH,TX ANH-AMMONIA  UN 16E4L  0  0 10 75E0 OVRFW RPTRD PIPE STRK BY V             PIPES    0 02 7
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 4. 5/ 4/70 MARKSVLE,VA ANH-AMMONIA  UN   0E0U  0   0 99 10E2 OVRFW VALVE BKN                       PIPES     0 02 7
 5. 7/24/70 SAUNDERS,NB ANH-AMMONIA  UN  76E0L  2   0  1  0E9 OVRFW PRNSLL ERR                      PIPES     0 02 7
 6.10/ 3/70 PLATTE-C,MO ANH-AMMONIA  UN  10E5L  0   0 10  0E9 OVRFW RPTRD PIPE STRK BY V            PIPES     0 02 7
 7. 1/ 8/71 NEW-CAMB,MO ANH-AMMONIA  UN  11E4L  0   0  9 50E4 RP-TK DRLMENT                         TK CR RR  0 02 1
 8. 1/10/71 AURORA  ,NB ANH-AMMONIA  UN  16E2L  1   0  3  0E9 OVRFW HSE,CPL FA PRNSLL ERR           PIPES     0 02 7
 9. 1/29/71 TECUEMSH,IN ANH-AMMONIA  UN  48E4L  0   0 10  0E9 OVRFW RPTRD PIPE STRK BY V            PIPES     0 02 7
10. 2/ 5/71 PLAINVIW,TX ANH-AMMONIA  UN  78E2L  1   0  5 70E2 RP-TK SHRP OBJ   OVRTURN              TK TRLR   0 02 1
11. 2/ 5/71 MASON-CI,IA ANH-AMMONIA  UN  21E1L  0   0  1  0E9 OVRFW OPN VALVE  PRNSLL ERR           TK CR RR  0 01 1
12. 4/10/71 HECTOR  ,MN ANH-AMMONIA  UN  40E3L  0   0  7 80E1 TS FL HSE,CPL FA                      TK TRLR   0 01 1
13. 6/ 5/71 FLORAL  ,AR ANH-AMMONIA  UN   0E0U  0   0 99  0E9 OVRFW STRK BY V                       PIPES     0 02 7
14. 8/ 4/71 SELDEN  ,KA ANH-AMMONIA  UN   45E2  0   0 99 20E1 RP-TK VALVE BKN  CLS&OVRTN            TK TRLR   0362 1
15. 9/28/71 99      ,99 ANH-AMMONIA  UN   0E0U  0   0 99  0E9 RP-TK LSE CP,CVR                      STO TANK  0 01 2
16. 9/29/71 BERWIC  ,LA ANH-AMMONIA  UN  64E2L  0   0  5 60E2 OVRFW VALVE BKN                       PIPES     0 02 7
17. 6/26/72 GREELEY ,CO ANH-AMMONIA  UN   0E0U  0   0 99  0E9 OTHER INTNL REL  NMRL OP              TRENCH    0 00 6
18. 4/17/73 WELCH   ,TX ANH-AMMONIA  UN  50E2K  0   0  4  0E9 RP-TK RLF VAL OP UNKNOWN              TK TRLR   0 01 1
19. 6/21/73 99      ,99 ANH-AMMONIA  UN   0E0U 20   0 99  0E9 TS FL HSE,CPL FA                                0411 2
20. 6/21/73 PORTSMTH,VA ANH-AMMONIA  UN   0E0U  2   0 99  0E9 TS FL HSE,CPL FA                      GA CYLDR  0451 2

                            AMMONIA  SPILLS---SYN.-- AQUA AMMONIA
                                                    F
                                                    A
                                            Q   I   T         P                                                O
                                            U   N   A         R                                                P S
                                            A   J   L  H      I                                                  O
                                            N   U   I  A      M                                               EA U
                                            T   R   T  Z      A                                               QR R
                                            I   I   I  A      R                                               UE C
                                            T   E   E  R      Y                                               PA E
                                            Y   S   S  D
   DATE      LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 4/ 8/72 PORTLAND,OR AQUA-AMMONI  CL  45E1K  0   0  1  0E9 TS FL HSE,CPL FA                                0 00 3
 2.10/11/72 W PM BCH,FL AQUA AMMONI  BP  20E1L  0   0  1 10E1 RP-NT SHRP OBJ                        CDBD DRM  0 01 1
 3. 7/28/72 OIL-CITY,PA AQUA-AMMONI  CL   0E0U  0   0 99  0E9 OVRFW INTNL REL  PRNSLL ERR           STL DRUM  0 04 6

                             AMMONIUM NITRATE FERT. SPILLS
                                                    F
                                                    A
                                                I   T         P                                                O
                                            Q   N   A         R                                                P S
                                            U   J   L  H      I                                                  O
                                            A   U   I  A      M                                               EA U
                                            N   R   T  Z      A                                               QR R
                                            I   I   I  A      R                                               UE C
                                            T   E   E  R      Y                                               PA E
                                            Y   S   S  D
   DATE      LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 5/ 1/70 CL CREEK,WV AMM-NITRATE  OX   0E0U  0   0 99  0E0 RP-NT FIRE                            TK TRLR   0 02 3
 2. 3/17/71 SUNSET  ,LA AMM-NITRATE  OX  95E1K  0   0 99 28E0 RP-NT SHRP OBJ                        PA BAG    0 02 1
 3. 3/18/71 OPELOUSA,LA AMM-NITRATE  OX  11E3K  0   0 99 35E0 RP-NT SHRP OBJ                        PA BAG    0 02 1
 4. 3/22/71 THIBODUX,LA AMM-NITRATE  OX  13E2K  0   0 99 12E1 RP-NT SHRP OBJ                        PA BAG    0 02 1
 5.11/26/71 OPELOUSA,LA AMM-NITRATE  OX  14E2K  0   0 99 85E0 RP-NT SHRP OBJ                        PA BAG    0 02 1
 6.12/13/71 OPELOUSA,LA AMM-NITRATE  OX  89E1K  0   0 99  0E9 RP-NT SHRP OBJ                        PA BAG    0 02 1
 7.12/20/71 OPELOUSA,LA AMM-NITRATE  OX  15E2K  0   0 99 86E0 RP-NT SHRP OBJ                        PLSTC BG  0 02 1
 8.12/22/71 SAN-FRIS,CA AMM-NITRATE  OX  45E1K  0   0 99 40E0 RP-NT SHRP OBJ   IMP LDG              PLSTC BG  0 02 1
 9. 1/10/72 LASALJCT,UT AMM-NITRATE  OX   24E3  0   1 99 25E3 RP-TK CLS&OVRTN                       TK TRLR   0 02 1
10. 1/13/72 COLUMBUS,TX AMM-NITRATE  OX  11E2K  0   0 99 10E1 RP-NT SHRP OBJ   IMP LDG              PLSTC BG  0 02 1
11. 1/13/72 THIBODAX,LA AMM-NITRATE  OX  91E1K  0   0 99 80E0 RP-NT SHRP OBJ   IMP LDG              PA BAG    0 02 1
12. 1/14/72 THIBODAX,LA AMM-NITRATE  OX  13E3K  0   0 99 11E1 RP-NT SHRP OBJ   IMP LDG              PA BAG    0 02 1
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13. 1/18/72 SUNSET   ,LA AMM-NITRATE  OX 95E1K  0  0 99 27E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
14. 1/24/72 OPELOUSA,LA AMM-NITRATE  OX 45E1K  0  0 99 30E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
15. 2/ 3/72 ARROYO   ,TX AMM-NITRATE  OX 30E1K  0  0 99 25E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
16. 2/ 6/72 ALEXANDR,LA AMM-NITRATE  OX 79E1K  0  0 99 70E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
17. 2/10/72 SUNSET   ,LA AMM-NITRATE  OX 70E1K  0  0 99 45E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
18. 2/16/72 OPELOUSA,LA AMM-NITRATE  OX 15E2K  0  0 99 13E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
19. 2/18/72 OPELOUSA,LA AMM-NITRATE  OX 96E1K  0  0 99 84E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
20. 2/18/72 HARLNGTN,TX AMM-NITRATE  OX 64E1K  0  0 99 60E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
21. 2/25/72 OPELOUSA,LA AMM-NITRATE  OX 23E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
22. 3/ 6/72 EXETER   ,CA AMM-NITRATE  OX  0E0   0  0 99 40E0 RP-NT WET PACKNG                           PA BAG   0 02 1
23. 3/13/72 OPELOUSA,LA AMM-NITRATE  OX 64E1K  0  0 99  0E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
24. 3/15/72 CARENCO  ,LA AMM-NITRATE  OX 32E1K  0  0 99  0E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
25. 4/ 6/72 NACOGDCH,TX AMM-NITRATE  OX 21E2K  0  0 99 19E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
26. 4/13/72 NACOGDCH,TX AMM-NITRATE  OX 29E2K  0  0 99 25E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
27. 4/18/72 CARENCRO,LA AMM-NITRATE  OX 41E1K  0  0 99 36E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
28. 4/19/72 NACOGDCH,TX AMM-NITRATE  OX 90E1K  0  0 99  0E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
29. 4/21/72 NACOGDCH,TX AMM-NITRATE  OX 80E1K  0  0 99 72E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
30. 5/ 2/72 NACOGDCH,TX AMM-NITRATE  OX 72E2K  0  0 99 76E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
31. 5/ 2/72 NACOGDCH,TX AMM-NITRATE  OX 57E1K  0  0 99 50E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
32. 5/ 4/72 NACOGDCH,TX AMM-NITRATE  OX 16E2K  0  0 99 14E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
33. 5/ 9/72 SUNSET   ,LA AMM-NITRATE  OX 11E2K  0  0 99 70E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
34. 5/ 9/72 NACOGDCH,TX AMM-NITRATE  OX 91E1K  0  0 99 80E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
35. 5/18/72 NACOGDCH,TX AMM-NITRATE  OX 54E1K  0  0 99 48E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
36. 5/27/72 RIDGEVIL,IN AMM-NITRATE  OX 76E2K  0  0 99  0E9 RP-TK DRLMENT     UNKNOWN                   BK CR RR 0 02 1
37. 5/29/72 PHILADEL,PA AMM-NITRATE  OX 68E3K  0  0 10 18E3 RP-TK LSE CP,CVR DRLMGOVRTN UNKNOWN         BK CR RR 1 02 1
38. 6/ 9/72 DUSON    ,LA AMM-NITRATE  OX 36E1K  0  0 99 30E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
39. 6/ 9/72 DUSON    ,LA AMM-NITRATE  OX 32E1K  0  0 99 28E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
40. 6/26/72 KOURTZ   ,TX AMM-NITRATE  OX 28E2K  0  0 99 18E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
41. 6/30/72 WEIMAR   ,TX AMM-NITRATE  OX 14E2K  0  0 99 12E1 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
42. 7/19/72 OPELOUSA,LA AMM-NITRATE  OX 70E1K  0  0 99 60E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
43. 8/29/72 OPELOUSA,LA AMM-NITRATE  OX 54E1K  0  0 99 48E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
44. 8/30/72 ALEXANDR,LA AMM-NITRATE  OX 15E2K  0  0 99 35E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
45. 9/ 5/72 NACODOCH,TX AMM-NITRATE  OX 66E1K  0  0 99 60E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
46.10/ 5/72 LAFAYELE,LA AMM-NITRATE  OX 16E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
47.10/13/72 LAFAYELL,LA AMM-NITRATE  OX 52E1K  0  0 99 69E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
48.10/16/72 PAIGE    ,TX AMM-NITRATE  OX 34E2K  0  0 99 19E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
49.11/20/72 LEFLORE  ,OK AMM-NITRATE  OX  0E0U  0  0 99  0E9 OVRFW UNKNOWN                              BARGE BK 0 02 6
50.12/ 1/72 PARRISH  ,AL AMM-NITRATE  OX 23E3K  0  0 99 50E1 RP-TK SHRP OBJ   COLLSN                    BK CR RR 0 02 1
51.12/21/72 ORLANDO  ,FL AMM-NITRATE  OX 54E2L  0  0 99  0E9 OTHER MECH FAIL                                     0 02 6
52. 1/ 2/73 MCALLEN  ,TX AMM-NITRATE  OX 15E2K  0  0 99 13E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
53. 1/19/73 BROUSARD,LA AMM-NITRATE  OX 13E2K  0  0 99 12E1 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
54. 1/25/73 SUNSET   ,LA AMM-NITRATE  OX 10E2K  0  0 99 67E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
55. 1/29/73 TOPEKA   ,KS AMM-NITRATE  OX 54E2K  0  0 99  0E9 RP-TK LKG CVR    DRLMENT                   BK CR RR 0 02 1
56. 2/ 4/73 ANDERSON,SC AMM-NITRATE  OX 91E4K  0  0 99  0E0 RP-NT CONTR FLRE FIRE          VANDALISM  PA BAG   0 03 3
57. 2/15/73 SUNSET   ,LA AMM-NITRATE  OX 11E2K  0  0 99 10E1 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
58. 2/16/73 WNSTNSLM,NC AMM-NITRATE  OX 45E0K  0  0 99 20E0 RP-NT CONTR FLRE DRLMENT       UNKNOWN    PLSTC BG 0 02 1
59. 2/21/73 PRTLAVCA,TX AMM-NITRATE  OX 73E1K  0  0 99 64E0 RP-NT. SHRP OBJ  UNKNOWN                   PLSTC BG 0 02 1
60. 2/21/73 PRTLAVCA,TX AMM-NITRATE  OX 66E1K  0  0 99  0E9 RP-NT CONTR FLRE SHRP OBJ                  PLSTC BG 0 02 1
61. 3/13/73 99       ,99 AMM-NITRATE  OX 28E2K  0  0 99 20E1 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
62. 3/13/73 PRTLAVCA,TX AMM-NITRATE  OX 84E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
63. 3/14/73 LAFAYETE,LA AMM-NITRATE  OX 75E1K  0  0 99 66E0 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
64. 3/16/73 PRTLAVCA,TX AMM-NITRATE  OX 25E1K  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                   PLSTC BG 0 02 1
65. 3/19/73 PRTLAUCA,TX AMM-NITRATE  OX 66E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
66. 3/28/73 PRTLAVCA,TX AMM-NITRATE  OX 24E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
67. 3/28/73 NACOGDCS,TX AMM-NITRATE  OX 27E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PA BAG   0 02 1
68. 4/ 6/73 BOYD     ,TX AMM-NITRATE  OX 20E2K  0  0 99 18E1 RP-NT CONTR FLRE UNKNOWN                           0 02 1
69. 4/16/73 ALEXANDA,LA AMM-NITRATE  OX 45E1K  0  0 99 40E0 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
70. 4/24/73 NACOGDCS,TX AMM-NITRATE  OX 12E2K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                   PLSTC BG 0 02 1
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71. 4/25/73 PRTLAVAC,TX AMM-NITPATE  OX 20E2K  0  0 99 18E1 RP-NT SHRP OBJ   IMP LDG                PLSTC BG 0 02 1
72. 4/25/73 NACOGDCS,TX AMM-NITRATE  OX 59E1K  0  0 99  0E9 RP-NT SHRP OBJ   IMP LDG                PLSTC BG 0 02 1
73. 5/ 2/73 PRTLAVAC,TX AMM-NITRATE  OX 11E2K  0  0 99 96E0 RP-NT SHRP OBJ   WET PACKNG             PLSTC BG 0 02 1
74. 5/ 2/73 OPELOUSA,LA AMM-NITRATE  OX 52E1K  0  0 99 46E0 RP-NT SHRP OBJ   IMP LDG                PA BAG   0 02 1
75. 5/ 8/73 CARENCRO,LA AMM-NITRATF  OX 45E1K  0  0 99 40E0 RP-NT SHRP OBJ   IMP LDG                PA BAG   0 02 1
76. 6/ 1/73 DUMFIRES,VA AMM-NITRATE  OX 20E3K  0  0 99 20E2 RP-TK CONTR FLRE OVRTURN                TK TRLR  0 02 1
77. 6/12/73 99       ,VA AMM-NITPATE  OX  1E2K  0  0 99  0E9 RP-TK CONTR FLRE COLLSN                 BK TRLR  0 02 2

                    AMMONIUM PHOSPHATE SPILLS
                                            F
                                          I A           P                                          O
                                       Q  N T           R                                          P S
                                       U  J A  H        I                                            O
                                       A  U L  A        M                                         EA U
                                       N  R I  Z        A                                         QR R
                                       I  I T  A        R                                         UE C
                                       T  E I  R        Y                                         PA E
                                       Y  S E  D
                                            S     DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 DATE     LOCATION    MATERIAL  CLASS
1.10/ 9/72 GRNSBORO,NC AMM PHOSPHA  FS  0E0U  0  0 99  0E0 RP-NT SPKLRS DSC FIRE    SPON COMB  STL DRUM 3 03 3

                    AMYL ACETATE SPILLS
                                            F
                                            A           P                                          O
                                          I T           R                                          P S
                                       Q  N A           I                                            O
                                       U  J L  H        M                                         EA U
                                       A  U I  A        A                                         QR R
                                       N  R T  Z        R                                         UE C
                                       I  I I  A        Y                                         PA E
                                       T  E E  R
                                       Y  S S  D  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 DATE     LOCATION    MATERIAL  CLASS
1.12/ 1/72 ROANOKE ,VA AMYL ACETAT  FL 57E2L  0  0  1  0E9 RP-TK DRLMGOVRTN LKG CVR  MECH FAIL  TK CR RR 0 02 1

                    AMYL PHENOL SPILLS
                                            F
                                            A           P                                          O
                                          I T           R                                          P S
                                       Q  N A           I                                            O
                                       U  J L  H        M                                         EA U
                                       A  U I  A        A                                         QR R
                                       N  R T  Z        R                                         UE C
                                       I  I I  A        Y                                         PA E
                                       T  E E  R
                                       Y  S S  D  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 DATE     LOCATION    MATERIAL  CLASS
1. 4/26/71 ST-LOUIS,MO AMYL-PHENOL  BP  4E0L  1  0  1  0E9 RP-NT FORKLIFT                        STL DRUM 0 01 1
2. 7/28/71 ORANGE  ,CT AMYL-PHENOL  BP 21E1L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG               STL DRUM 0 02 1
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                     ANILINE OIL SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P  S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 1/18/71 COLUMBUS,OH ANILINE-OIL  BP 15E3L  0  0  6 38E2 RP-TK BODY FLRE  UNKNOWN                TK CR RR 0 02 1
2. 4/24/71 ATLANTA ,GA ANILINE-OIL  BP  8E0L  0  0  1  3E0 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
3. 1/31/72 STAPLES ,LA ANILINE-OIL  BP 80E3K  0  0  8 12E3 RP-TK SHRP OBJ   DRLMENT     RDWY CONDS TK CR RR 0 02 1
4. 2/ 2/72 ALBURQRQ,NM ANILINE-OIL  BP  4E0L  0  0  1  3E0 RP-NT CONTR FLRE UNKNOWN                STL DRUM 0 02 1
5. 4/17/72 HOUSTON ,TX ANILINE-OIL  BP 14E1L  0  0  1  0E9 RP-NT CONTR FLRE DFCTV WELD             STL DRUM 0 02 1
6. 5/ 5/72 CINCINTI,OH ANILINE-OIL  BP  7E0K  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
7. 8/14/73 PORTLAND,OR ANILINE-OIL  BP  3E0K  0  0  1 50E0 RP-NT CONTR FLRE UNKNOWN                         0 02 1

                     ANTIMONY PENTACHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P  S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 5/14/72 GRAMERCY,LA ANT-PENTACH  CL 23E2K  0  0  3  0E9 OVRFW CONTR FLRE MTRL DFCT              STO TANK 0 03 6

                     ANTI-FREEZE SPILLS---SYN.--ETHYLENE GLYCOL
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P  S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 4/24/72 MEMPHIS ,TN ANTI-FREEZE  FL 30E2L  0  0  7  0E9 RP-TK SHRP OBJ   UNKNOWN                TK CR RR 0 02 6
2. 9/20/72 SCHNCTDY,NY ANTI-FREEZE  FL 15E2L  0  0  6 30E1 TS FL OPN VALVE  VALVE BKN   MECH FAIL  TK TRLR  0 01 1
3. 4/ 8/72 KANAWHAR,WV ETH-GLYCOL   FL 25E4L  0  0 10  0E9 OTHER UNKNOWN                                    0 01 2
4. 4/ 8/72 BELLE   ,WV ETH-GLYCOL   FL  0E0U  0  0 99  0E9 OTHER UNKNOWN                                    0 00 6
5.12/ 4/72 TALAHASE,FL ETH-GLYCOL   FL 76E3L  0  0 10  0E9 RP-TK DRLMENT                           TK CR RR 0 02 6
6.12/ 4/72 TALAHASE,FL ETH-GLYCOL   FL 76E3L  0  0 10  0E9 RP-TK CONTR FLRE DRLMENT                TK CR RR 0 02 6
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AROMATIC OIL AND BENZENE SPILLS

```
                                                  F
                                                  A
                                               I  T           P                                              O
                                           Q   N  A           R                                              P S
                                           U   J  L  H        I                                                O
                                           A   U  I  A        M                                              EA U
                                           N   R  T  Z        A                                              QR R
                                           I   I  I  A        R                                              UE C
                                           T   E  E  R        Y                                              PA E
                                           Y   S  S  D
   DATE     LOCATION    MATERIAL   CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/31/71 FAIRFILD,AL BENZENE        FL 19E2L  0  0  1   0E9 RP-TK DRLMENT    UNKNOWN              TK CR RR  0 02 1
2.12/31/71 BROOKPRT,IL BENZENE        FL 57E2L  0  0  2  13E3 RP-TK LKG CVR    OVRTURN    UNKNOWN   TK TRLR   0 02 1
3. 3/ 4/72 GEISMER ,LA BENZENE        FL 10E4L  0  0  6   0E9 OVRFW HSE,CPL FA                      STO TANK  0 04 2
4.11/20/72 INSTITUT,WV BENZENE        FL 76E1L  0  0  1   0E9 RP-TK CONTR FLRE MTRL DFCT            BARGE TK  0 02 6
5.12/28/72 BAY-CITY,MI BENZENE        FL 57E0L  0  0  1   0E9 OVRFW HSE,CPL FA                      PIPES     0 04 6
6. 5/27/73 MORGAN-C,LA BENZENE        FL 57E2L  0  0  2   0E9 RP-TK SHRP OBJ   COLLSN               BARGE TK  0 02 2
7. 3/ 4/72 GEISMER ,LA AROMATIC-O     FL 10E4L  0  0  6   0E9 RP-TK HSE,CPL FA                      TK TRLR   0 01 2
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ASPHALT SPILLS

```
                                                  F
                                                  A
                                               I  T           P                                              O
                                           Q   N  A           R                                              P S
                                           U   J  L  H        I                                                O
                                           A   U  I  A        M                                              EA U
                                           N   R  T  Z        A                                              QR R
                                           I   I  I  A        R                                              UE C
                                           T   E  E  R        Y                                              PA E
                                           Y   S  S  D
   DATE     LOCATION    MATERIAL   CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/20/72 AVERY   ,OH ASPHALT        UN 11E4K  0  0 99   0E0 OVRFW EXPLOSION  OVRPRES    FORGN SUBS CKG/MX T 0 04 3
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ARSENIC ACID,TECHNICAL SPILLS

```
                                                  F
                                                  A
                                               I  T           P                                              O
                                           Q   N  A           R                                              P S
                                           U   J  L  H        I                                                O
                                           A   U  I  A        M                                              EA U
                                           N   R  T  Z        A                                              QR R
                                           I   I  I  A        R                                              UE C
                                           T   E  E  R        Y                                              PA E
                                           Y   S  S  D
   DATE     LOCATION    MATERIAL   CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/21/72 HEEKWAGA,NY ARSENIC ACI    BP 75E0L  0  0  5   0E0 RP-NT SHRP OBJ   IMP LDG              FBRE DRM  0 02 1
2.11/11/72 DALLAS  ,TX ARSENIC ACI    BP 11E1L  0  0  6   0E0 RP-NT SHPP OBJ   IMPR HNDLG PRNSLL FRR FBRE DRM 0 01 1
3.11/ 4/71 BALTIMOR,MD ARS-ACD-TEC    BP 32E1L  0  0  7   0E9 RP-TK LKG CVR    OVRTURN              TK TRLR   0 02 1
4.11/ 4/71 BALTIMOR,MD ARS-ACD-TEC    BP 11E1L  0  0  6   0E9 RP-TK CONTR FLRE OVRTURN              TK TRLR   0 02 5
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                      ARSENICAL MIXTURES SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                 O
                                         U    J  L  H        I                                                 P  S
                                         A    U  I  A        M                                                    O
                                         N    R  T  Z        A                                                 EA U
                                         I    I  I  A        R                                                 QR R
                                         T    E  E  R        Y                                                 UE C
                                         Y    S  S  D        .                                                 PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE CONTAINER M
1. 2/24/71 OAKLAND ,CA ARS-MIXTURE  BP 11E1K  0  0  2 12E1 RP-NT SHRP OBJ    IMP LDG                  PA BAG 0 02 1
2. 5/12/71 SELMA   ,CA ARS-MIXTURE  BP 36E1K  0  0  4 30E1 RP-NT SHRP OBJ    IMP LDG                  PA BAG 0 02 1
3. 9/20/71 OAKLAND ,CA ARS-MIXTURE  BP  0E0U  0  0 99  0E9 RP-NT SHRP OBJ    UNKNOWN                  PA BAG 0 02 1
4.12/ 2/71 BUFFALO ,NY ARS-MIXTURE  BP 11E0L  0  0  1 50E0 RP-NT SHRP OBJ    IMP LDG                STL DRUM 0 02 1
5. 5/19/72 MOBILE  ,AL ARS-MIXTURE  BP  8E0L  0  0  1  0E9 RP-NT CONTR FLRE  MTRL DFCT              STL PAIL 0 02 1
6. 5/ 1/73 TULSA   ,OK ARS-MIXTURE  BP  1E0L  0  0  1 25E0 RP-NT MTRL DFCT                          STL DRUM 0 02 1
7. 5/21/73 OAKLAND ,CA ARS-MIXTURE  BP  2E0L  0  0  1  0E9 RP-NT CONTR FLRE  MTRL DFCT              STL DRUM 0 02 1

                      ARSENIC TRICHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                 O
                                         U    J  L  H        I                                                 P  S
                                         A    U  I  A        M                                                    O
                                         N    R  T  Z        A                                                 EA U
                                         I    I  I  A        R                                                 QR R
                                         T    E  E  R        Y                                                 UE C
                                         Y    S  S  D                                                          PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE CONTAINER M
1. 2/20/71 BOISE   ,ID ARS-TRICHLO  BP 23E0L  0  0  1 80E0 RP-NT MTRL DFCT                          STL PAIL 0 02 1
2. 7/14/71 LESTER  ,PA ARS-TRICHLO  BP 25E0L  0  0  1 20E1 RP-NT CONTR FLRE  OVRTURN     IMP LDG    GLS BTLS 0 02 1
3. 9/24/71 KANSAS  ,MO ARS-TRICHLO  BP  1E0K  0  0  1  0E9 RP-NT MTRL DFCT                           SS CRBY 0 01 1
4. 4/14/72 COMERCE ,CO ARS-TRICHLO  BP 19E0L  1  0  1  0E9 RP-NT SHRP OBJ    IMP LDG                STL DRUM 0 02 1

                       ARSENIC TRIOXIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                 O
                                         U    J  L  H        I                                                 P  S
                                         A    U  I  A        M                                                    O
                                         N    R  T  Z        A                                                 EA U
                                         I    I  I  A        R                                                 QR R
                                         T    E  E  R        Y                                                 UE C
                                         Y    S  S  D                                                          PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE CONTAINER M
1. 1/10/72 GREATFAL,MT ARS-TRIOXID  BP  2E0K  0  0  1 25E0 RP-NT SHRP OBJ    IMP LDG                CDBD DRM 0 02 1
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                 AZODRIN SPILLS
                                                F
                                                A
                                             I  T          P                                                O
                                        Q    N  A          R                                                P  S
                                        U    J  L  H       I                                                   O
                                        A    U  I  A       M                                                EA U
                                        N    R  T  Z       A                                                QR R
                                        I    I  I  A       R                                                UE C
                                        T    E  E  R       Y                                                PA E
                                        Y    S  S  D
 DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE 3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/24/71 ALBANY  ,GA AZODRIN     BP 19E0L  0  0  1  0E9 RP-NT FORKLIFT   PRNSLL ERR            STL PAIL 0 01 3

                 BARIUM CARBONATE SPILLS
                                                F
                                                A
                                             I  T          P                                                O
                                        Q    N  A          R                                                P  S
                                        U    J  L  H       I                                                   O
                                        A    U  I  A       M                                                EA U
                                        N    R  T  Z       A                                                QR R
                                        I    I  I  A       R                                                UE C
                                        T    E  E  R       Y                                                PA E
                                        Y    S  S  D
 DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE 3RD CAUSE  4TH CAUSE CONTAINER M
1.12/ 9/72 MODESTO ,CA BARIUM CARB BP  0E0U  0  0 99  0E0 RP-NT WET PACKNG SPKLPS DSC            PA BAG   1 03 3

                 BENZYL CHLORIDE, INHIBITED SPILLS
                                                F
                                                A
                                             I  T          P                                                O
                                        Q    N  A          R                                                P  S
                                        U    J  L  H       I                                                   O
                                        A    U  I  A       M                                                EA U
                                        N    R  T  Z       A                                                QR R
                                        I    I  I  A       R                                                UE C
                                        T    E  E  R       Y                                                PA E
                                        Y    S  S  D
 DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE 3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/24/73 ASHBURYP,NJ BENZYL-CHLO CL 21E1L  0  0  6 18E1 RP-NT FORKLIFT   PRNSLL ERR            STL DRUM 0 51 1

                 BIMETHYL ALKYLAMINE SPILLS---SYN.--DIMETHYLAMINE
                                                F
                                                A
                                             I  T          P                                                O
                                        Q    N  A          R                                                P  S
                                        U    J  L  H       I                                                   O
                                        A    U  I  A       M                                                EA U
                                        N    R  T  Z       A                                                QR R
                                        I    I  I  A       R                                                UE C
                                        T    E  E  R       Y                                                PA E
                                        Y    S  S  D
 DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE 3RD CAUSE  4TH CAUSE CONTAINER M
1.12/11/71 OHIO-RIV,99 BIMETHLY-AL FL 65E2K  0  0  5  0E9 OTHER UNKNOWN                                   0 02 2
2.11/22/72 SHELTON ,CN DIMETHYLAMI FL 68E1K  0  0  2  0E9 OVRFW UNKNOWN    UNKNOWN               IND MACH 1 04 6
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                     BLACK LIQUOR SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
   DATE    LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/10/71 POTOMACR,MD BLACK-LIQUO  UN  0E0U  0  0 99  0E0 OTHER UNKNOWN                                   0 04 5
2. 3/10/72 WESTRACO,MD BLACK-LIQUO  UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL  UNKNOWN                        0 04 5
3. 7/16/72 MAHEOLA ,AL BLACK-LIQUO  UN 97E4L  0  0 99 12E4 RP-TK MECH FAIL  IMPR CNTNR            STO TANK 0 03 3

                     BORAX SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
   DATE    LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/ 6/70 BORON   ,CA BORAX        UN  0E0U  0  0 99  0E0 RP-NT CONTR FLRE MTRL DFCT             CKG/MX T 0 04 3

                     BROMINE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
   DATE    LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/ 6/71 WINSLO  ,AR BROMINE      CL  0E9U  0  0 99 28E3 RP-TK VALVE BKN  OVRTURN    PRNSLL ERR TK TRLR  0 02 1
2. 1/13/72 ROCHSTER,NY BROMINE      CL 18E2K  1  0  9 75E0 TS FL HSE,CPL FA PRNSLL ERR            TK TRLR  0 01 1
3. 5/23/73 DALLAS  ,TX BROMINE      CL 24E0K  0  0  1 26E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 51 1
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                     BUTYL CARPITOL SPILLS
                                                 F
                                                 A
                                           Q  I  T          P                                                O
                                           U  N  A          R                                                 P S
                                           A  J  L  H       I                                                   O
                                           N  U  I  A       M                                                EA U
                                           T  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/16/73 SISTRSVL,WV BUTYL CAPBI  FL  OEOU  0  0 99  OEO RP-NT CONTR FLRE EXPLOSION  CHMCAL RE  CKG/MX T 0 04 3

                     BUTYRIC ACID SPILLS
                                                 F
                                                 A
                                           Q  I  T          P                                                C
                                           U  N  A          R                                                 P S
                                           A  J  L  H       I                                                   O
                                           N  U  I  A       M                                                EA U
                                           T  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA F
                                           Y  S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/ 9/72 CROSBY   ,TX BUTYRIC-ACI UN 50EIL  0  0  1  OE9 OVRFW CONTR FLRE EXPLOSION  CNTRL INOP COBD DRM 0 04 3

                     CALCIUM CARBIDE SPILLS
                                                 F
                                                 A
                                           Q  I  T          P                                                O
                                           U  N  A          R                                                 P S
                                           A  J  L  H       I                                                   O
                                           N  U  I  A       M                                                EA U
                                           T  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/14/72 LAUREL   ,MD CALCIUM-CAR UN  OEOU  0  0 89  OE9 OTHER FIRE                                      0 06 6

                     CALCIUM CHLORIDE SPILLS
                                                 F
                                                 A
                                           Q  I  T          P                                                O
                                           U  N  A          R                                                 P S
                                           A  J  L  H       I                                                   O
                                           N  U  I  A       M                                                EA U
                                           T  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/ 3/72 ENNIS    ,TX CALCIUM-CHL BP 38EIL  0  0  1  OE9 OTHER PRNSLL ERR                       TK CR RR 1 06 6
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                      CALCIUM CYANAMIDE SPILLS---SYN.--CYANAMIDE POISON
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     P  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/25/72 POCATELO,ID CYANIMD-POI  CL 14ECK  0  0  1 10E1 RP-NT MTRL DFCT                       PA BAG    0 02 1

                      CALCIUM HYDROXIDE SPILLS---SYN.---SLAKED LIME
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/22/72 BALTIMOR,MD CALCIUM-HYD  CL 45E1K  0  0  1  0E9 OTHER FLOOD                                     0 03 3
2. 5/ 4/72 CHICAGO ,IL LIME-SLAKED  CL 48E4L  0  0  6  0E9 RP-TK SHIP SANK                        BARGE TK 0 02 6
3. 3/26/73 NEW CSTL,DE LIME-SLAKED  CL  0ECU  0  0 99  4E2 RP-NT SPKLRS DSC FIRE       CHMCAL RE PA BAG    0 03 3

                      CALCIUM HYPERCHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/30/72 BILLINGS,MT CALCIUM-HYP  UN 14EOK  0  0  1 20E0 RP-NT SHRP OBJ   IMP LOG                CDBD DRM 0 02 1
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                    CARBOLIC ACID SPILLS---SYN.--PHENOL
                                                 F
                                                 A
                                           Q  I  T           P                                                  O
                                           U  N  A           R                                                  P  S
                                           A  J  L  H        I                                                     O
                                           N  U  I  A        M                                                 EA  U
                                           T  R  T  Z        A                                                 QR  R
                                           I  I  I  A        R                                                 UE  C
                                           T  E  E  R        Y                                                 PA  E
                                           Y  S  S  D
    DATE    LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER  M
 1. 1/19/71 DEMOPOLS,AL CARBOLIC-AC  BP 62E1L 0  0  5 50E0 RP-TK OPN VALVE   PRNSLL ERR             TK TRLR   0 51 1
 2. 7/28/71 LOS-ANGL,CA CARBOLIC-AC  BP  7E0L 0  0  1  0E9 RP-NT CONTR FLRE  LSE CP,CVR             STL DRUM  0 02 1
 3. 4/13/72 PARIS   ,TX CARBOLIC-AC  BP 45E0K 0  0  1  7E0 RP-TK CONTR FLRE  DFCTV WELD             TK CR RR  0 02 1
 4. 5/ 2/72 CARLSTDT,NJ CARBOLIC-AC  BP 15E1L 0  0  3 32E0 OVRFW MECH FAIL                          TK TRLR   0 01 1
 5. 5/20/72 FAIR-PLY,SC CARBOLIC-AC  BP 38E2K 0  0  7 80E0 RP-TK LSE CP,CVR  CLS&OVRTN              TK TRLR   0 02 1
 6. 5/26/72 FREMONT ,CA CARBOLIC-AC  BP 80E2K 0  0  8 40E3 RP-TK UNKNOWN     COLLSN      PRNSLL ERR TK TRLR   0 02 1
 7. 4/16/73 NASHVILL,TN CARBOLIC-AC  BP 11E1L 0  0  2  0E9 RP-NT FORKLIFT    PRNSLL ERR             STL DRUM  0 51 1
 8. 4/22/73 MCNARY  ,TX CARBOLIC-AC  BP 80E3L 0  0 10 13E3 RP-TK SHRP OBJ    DRLM&OVRTN  RDWY CONDS TK CR RR  0 02 1
 9. 6/ 3/73 MARATHON,TX CARBOLIC-AC  BP 19E3L 0  0  9 30E2 RP-TK SHRP OBJ    COLLSN                 TK CR RR  0 02 1
10. 4/ 9/71 DALLAS  ,TX PHENOL       BP  1E0L 0  0  1 10E1 RP-NT DFCTV WELD                         STL DRUM  0 02 1
11. 5/24/71 ST-LOUIS,MO PHENOL       BP  0E0U 1  0 99  0E9 RP-NT CONTR FLRE  DROPPED                GLS BTLS  0 01 1
12. 6/26/72 SLABTOWN,MD PHENOL       BP 83E3L 0  0 10  0E9 RP-TK SHRP OBJ    DRLMENT                TK CR RR  1 02 5
13. 9/ 5/72 FARMVILL,NC PHENOL       BP 32E1K 0  0  5  0E9 OVRFW PRNSLL ERR                         STO TANK  1 03 6
14. 9/26/72 BALTIMOR,MD PHENOL       BP  0E0U 0  0 99  0E9 OVRFW SPKLRS DSC                         TRENCH    1195 5
15. 9/27/72 CHOCOLAT,TX PHENOL       BP  0E0U 0  0 99  0E0 OVRFW UNKNOWN                                      0 01 2
16.10/ 7/72 RICHMOND,CA PHENOL       BP 11E3L 0  0  9 25E2 RP-TK OPN VALVE   PRNSLL ERR             TK TRLR   0361 1
17.12/ 9/72 KENTON  ,OH PHENOL       BP  0E0U 0  0 99  0E9 OVRFW INTNL REL   NMRL OP                SETLG PD  0 05 6
18. 2/20/73 PECOS   ,TX PHENOL       BP  0E0U 0  0 99  0E9 RP-TK CONTR FLRE  DRLMENT                TK CR RR  0 02 6
19. 3/ 1/73 BRIDGEPT,NJ PHENOL       BP 45E0K 0  0  1 15E0 TS FL VALVE BKN   MECH FAIL              TK TRLR   0 51 1
20. 4/11/73 PITTSFLD,MA PHENOL       BP 38E0L 0  0  1 15E0 RP-TK BODY FLRE                          TK TRLR   0 01 1
21. 4/16/73 MOBILE  ,AL PHENOL       BP  5E0K 0  0  1  0E9 RP-NT CONTR FLRE  MTRL DFCT              PBTL/CTN  0 01 1
22. 5/ 4/73 CUMBERLN,MD PHENOL       BP 87E3L 0  0 10  0E9 RP-TK CONTR FLRE  DRLMENT                TK CR RR  0 01 2
23. 5/25/73 MOBILE  ,AL PHENOL       BP  2E0K 0  0  1 70E0 RP-NT CONTR FLRE  UNKNOWN                PLSTC BT  0 02 1
24. 5/31/73 MISHAWAK,IN PHENOL       BP 38E0L 0  1  1  0E9 OVRFW IMP LDG     PRNSLL ERR             TK TRLR   0 51 1
25. 5/12/72 MASON  -,WV PHENOLIC   2 FL  0E0U 0  0 99  0E9 OTHER UNKNOWN                                      0 00 6
                      CARBON BISULFIDE SPILLS---SYN.--CARBON DISULFIDE
                                                 F
                                                 A
                                           Q  I  T           P                                                  O
                                           U  N  A           R                                                  P  S
                                           A  J  L  H        I                                                     O
                                           N  U  I  A        M                                                 EA  U
                                           T  R  T  Z        A                                                 QR  R
                                           I  I  I  A        R                                                 UE  C
                                           T  E  E  R        Y                                                 PA  E
                                           Y  S  S  D
    DATE    LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER  M
 1.12/70/71 BUFFALO ,NY CBN-BISULFI  FL 38E3L 0  0  7 30E2 RP-TK SHRP OBJ    COLLSN      DRLMENT    TK CR RR  0 00 1
 2.11/22/72 SHELTON ,CN CBN-DISULFI  FL 23E1K 0  0  2  0E9 OVRFW UNKNOWN     UNKNOWN                IND MACH  1 04 6
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                      CARBON TETRACHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T          P
                                           Q  N  A          R                                                  O
                                           U  J  L   H      I                                                  P S
                                           A  U  I   A      M                                                    O
                                           N  R  T   Z      A                                                 EA U
                                           I  I  I   A      R                                                 QR R
                                           T  E  E   R      Y                                                 UE C
                                           Y  S  S   D                                                        PA E
 DATE      LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/ 1/71 ALBURQUP,NM CBN-TETRACH  UN  4E0L  0  0   1 15E0 RP-NT CONTR FLRE IMP LDG               GLS BTLS 0 02 1
2.11/25/72 CHARLSTN,WV CBN-TETRACH  UN 11E2L  0  0   4  0E9 OVRFW DRLMENT                          TK CR RR 2 02 2
3.11/25/72 KANAWHA ,WV CBN-TETRACH  UN  0E0U  0  0  99  0E9 RP-TK UNKNOWN    DRLMENT               TK CR RR 2 02 6

                      CAUSTIC POTASH SPILLS--SYN.--POTASSIUM HYDROXIDE--CAUSTIC POTASH LIQUID
                                                 F
                                                 A
                                              I  T          P
                                           Q  N  A          R                                                  O
                                           U  J  L   H      I                                                  P S
                                           A  U  I   A      M                                                    O
                                           N  R  T   Z      A                                                 EA U
                                           I  I  I   A      R                                                 QR R
                                           T  E  E   R      Y                                                 UE C
                                           Y  S  S   D                                                        PA E
 DATE      LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/17/73 BELVIDER,IL CAUS-POTASH  CL  3E0K  0  0   1  0E9 RP-NT CONTR FLRE OVRTURN               STL DRUM 0 02 1
2.12/ 3/71 CHICAGO ,IL CAUS-POT-LI  CL 24E3K  0  0   4 12E2 RP-TK CONTR FLRE UNKNOWN               TK CR RR 0 02 1
3.12/11/71 CHICAGO ,IL CAUS-POT-LI  CL 21E3L  0  0   4 38E3 RP-TK CONTR FLRE                       TK CR RR 0 02 1
4. 3/ 4/72 CHICAGO ,IL CAUS-POT-LI  CL 19E1L  0  0   1  0E9 RP-TK LSE CP,CVR                       TK CR RR 0 02 1
5. 9/16/72 BIRMINGH,AL CAUS-POT-LI  CL  5E0K  0  0   1 20E0 RP-NT DROPPED                                   0 01 1
6. 3/26/73 99       ,99 CAUS-POT-LI CL 19E2L  0  0   1 75E1 RP-TK CONTR FLRE UNKNOWN               TK CR RR 0 02 1
7. 1/29/73 CLEVELND,OH CAUS-POT-LI  CL 57E0L  0  0   1 10E0 RP-NT CONTR FLRE MTRL DFCT  UNKNOWN    STL DRUM 0 02 1
8.10/ 9/72 GRNSBORO,NC POT-HYDROXI  CL  0E0U  0  0  99  0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 3 03 3
9. 1/30/72 NEWTOWN ,PA POT-HYDROXI  CL  0E0U  0  0  99  0E9 OTHER PRNSLL ERR FIRE                           4 03 3

                      CAUSTIC SODA SPILLS---SYN.--SODIUM HYDROXIDE
                                                 F
                                                 A
                                              I  T          P
                                           Q  N  A          R                                                  O
                                           U  J  L   H      I                                                  P S
                                           A  U  I   A      M                                                    O
                                           N  R  T   Z      A                                                 EA U
                                           I  I  I   A      R                                                 QR R
                                           T  E  E   R      Y                                                 UE C
                                           Y  S  S   D                                                        PA E
 DATE      LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/13/70 APPLETON,WI SODIUM HYDX  CL  0E0U  0  0  99  0E0 OVRFW CHMCAL RE  FORGN SUBS            CKG/MX T 1 04 3
2. 2/18/70 DEER PRK,TX CAUS-SODA    CL 18E4K  0  0   8  0E0 RP-TK SHRP OBJ   EXPLOSION  CHMCAL RE  STO TANK 1 03 3
3. 3/26/71 HOUSTON ,TX CAUS-SODA    CL 74E3K  2  0   5 10E2 RP-TK CONTR FLRE MTRL DFCT  OVRPRES    TK TRLR  0 01 1
4. 9/ 3/71 TPKE    ,PA CAUS-SODA    CL 19E1L  0  0   1 12E3 RP-TK LKG CVR    OVRTURN    PRNSLL ERR TK TRLR  0 02 1
5.10/ 1/71 JACKSON ,MS CAUS-SODA    CL 36E2K  0  0   4  0E9 RP-TK CONTR FLRE COLLSN                TK TRLR  0 02 1
6.10/29/71 WILAM-RI,OR CAUS-SODA    CL 91E2L  0  0   5  0E9 OVRFW OPN VALVE  PRNSLL ERR                     0 04 2
7.11/25/71 KINGSVIL,SC CAUS-SODA    CL 38E0L  0  0   1 10E0 RP-TK VALVE BKN  DRLMENT               TK CR RR 0 02 1
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 8. 1/ 4/72 CHICAGO ,IL CAUS-SODA    CL  8E0L  0  0  1  0E9 RP-TK VALVE BKN  DRLMENT                TK CR RR 0 01 1
 9. 2/ 4/72 WILMGTON,CA CAUS-SODA    CL 30E1L  0  0  1 62E1 RP-TK SHRP OBJ   COLLSN     PRNSLL ERR  TK TRLR  0 01 1
10. 3/27/72 ELSEGUND,CA CAUS-SODA    CL 11E3L  0  0  6 10E2 RP-TK SHRP OBJ   OVRTURN                BOILER   0 02 1
11. 4/18/72 STEILACM,WA CAUS-SODA    CL 48E3K  0  0  7  0E9 RP-TK DRLMENT    ROWY CONDS FLOOD       TK CR RR 0 02 1
12. 4/20/72 AKRON   ,OH CAUS-SODA    CL 76E2L  0  0  5 10E1 TS FL HSE,CPL FA UNKNOWN                TK TRLR  0 01 1
13. 5/ 4/72 SEATTLE ,WA CAUS-SODA    CL  0E0U  0  0 99  0E9 OVRFW INTNL REL  PRNSLL ERR             BARGE TK 0 01 6
14. 5/11/72 SKOKIE  ,IL CAUS-SODA    CL 19E1L  0  0  1 13E2 OVRFW VALVE BKN  UNKNOWN                TK TRLR  0361 1
15. 5/24/72 COLUMBIA,SC CAUS-SODA    CL 38E1L  0  0  1 50E0 RP-TK UNKNOWN                           TK CR RR 0 01 1
16. 5/30/72 CHATANGA,TN CAUS-SODA    CL 11E2K  0  0  2 15E1 RP-TK UNKNOWN                           TK CR RR 0 02 1
17. 6/ 8/72 CHATNOGA,TN CAUS-SODA    CL 23E2L  0  0  3 27E1 OVRFW VALVE BKN                         TK TRLR  0361 1
18. 6/10/72 CHARLTON,TN CAUS-SODA    CL 75E0L  0  0  1 63E1 OVRFW LSE CP,CVR PRNSLL ERR             TK TRLR  0 02 1
19. 6/15/72 HOUSTON ,TX CAUS-SODA    CL  0E0U  2  0  1  0E9 RP-NT EXPLOSION  CHMCAL RE  FORGN SUBS  STL DRUM 2 04 3
20. 6/16/72 PINE-BLF,AR CAUS-SODA    CL 90E1L  0  0  2 50E0 OVRFW OPN VALVE  PRNSLL ERR             TK TRLR  0 01 1
21. 6/21/72 N-LAKE  ,IL CAUS-SODA    CL 19E1L  0  0  1  5E0 OVRFW PRNSLL ERR GAU MS/DFC             STO TANK 0 01 1
22. 6/28/72 SAVANNAH,GA CAUS-SODA    CL 38E0L  1  0  1 25E0 TS FL HSE,CPL FA OVRPRES    VALVE SHUT  TK TRLR  0361 1
23. 7/25/72 CATAWBA ,SC CAUS-SODA    CL 38E0L  0  0  1 10E0 RP-TK LKG CVR    MECH FAIL              TK CR RR 0 02 1
24. 7/27/72 CINCNATI,OH CAUS-SODA    CL 95E0L  0  0  1  0E9 OVRFW MECH FAIL  UNKNOWN                BARGE TK 0 02 6
25. 8/ 9/72 CHARLOTE,NC CAUS-SODA    CL 19E0L  0  0  1 10E0 RP-TK CONTR FLRE UNKNOWN                TK CR RR 0 02 1
26. 9/14/72 CHEEK   ,TX CAUS-SODA    CL 19E1L  0  0  1 13E1 TS FL HSE,CPL FA MECH FAIL              TK TRLR  0 51 1
27. 9/21/72 S-SPENCR,MA CAUS-SODA    CL 38E1L  0  0  1 30E0 RP-TK SHRP OBJ   DRLMENT                TK CR RR 0 02 1
28. 9/23/72 KRANNERT,GA CAUS-SODA    CL 38E0L  0  0  1 10E1 RP-TK LSE CP,CVR                        TK CR RR 0 02 1
29. 9/30/72 WESTOVER,GA CAUS-SODA    CL 20E3L  0  0  6 98E1 TS FL HSE,CPL FA MECH FAIL  PRNSLL ERR  TK TPLR  0 51 1
30.11/25/72 CHARLSTN,WV CAUS-SODA    CL 23E2L  0  0  4  0E9 OVRFW DRLMENT                           TK CR RR 2 02 2
31.12/11/72 STRUTHRS,OH CAUS-SODA    CL 38E3L  0  0  7 42E2 RP-TK CONTR FLRE MTRL DFCT              TK CR RR 0 02 1
32.12/29/72 99      ,99 CAUS-SODA    CL 30E3L  0  0  7 18E2 RP-TK SHRP OBJ   DRLMENT                TK CR RR 0 02 1
33. 1/ 5/73 WAVERLY ,NJ CAUS-SODA    CL 10E1L  0  0  1 10E1 RP-TK UNKNOWN                           TK CR RR 0 02 1
34. 1/19/73 LEMONT  ,IL CAUS-SODA    CL 75E1L  1  0  2 10E0 TS FL HSE,CPL FA MTRL DFCT              TK TRLR  0 41 1
35. 2/ 5/73 REISTERS,MD CAUS-SODA    CL 56E0L  1  0  1 15E0 OVRFW UNKNOWN                           STO TANK 0 01 1
36. 2/ 7/73 WESTOVER,GA CAUS-SODA    CL 15E2L  0  0  3 50E0 TS FL HSE,CPL FA UNKNOWN                TK TRLR  0 41 1
37. 3/ 1/73 KNOXVILL,TN CAUS-SODA    CL 19E0L  0  0  1 20E0 RP-TK LSE CP,CVR                        TK CR RR 0 02 1
38. 3/ 5/73 OGLESBY ,GA CAUS-SODA    CL 83E3L  0  0  8 24E2 RP-TK SHRP OBJ   DRLMENT                TK CR RR 0 02 1
39. 3/ 9/73 AVON    ,IN CAUS-SODA    CL 57E3L  0  0  8 46E2 RP-TK SHRP OBJ   COLLSN                 TK CR RR 0 02 1
40. 4/16/73 WNST-SLM,NC CAUS-SODA    CL 21E1L  0  0  1 40E1 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
41. 5/31/73 LITTLFAL,NY CAUS-SODA    CL 57E0L  1  0  1 50E0 RP-NT CONTR FLRE UNKNOWN                STL DRUM 0 02 1
42. 4/ 6/73 MERIDEN ,CT SOD-HYDX-LI  CL  1E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                PBTL/CTN 0 01 1
43. 4/18/72 STEILACM,WA SODIUM-HYDX  CM  0E0U  0  0 99  0E9 RP-TK UNKNOWN    DRLMENT                TK CR RR 0 02 6
44. 5/26/72 99      ,99 SODIUM-HYDX  CM 34E1K  0  0  1 27E1 RP-NT UNKNOWN                           STL DRUM 0 01 1
45.11/25/72 KANAWHA ,WV SODIUM-HYDX  CM  0E0U  0  0 99  0E9 RP-TK UNKNOWN    DRLMENT                TK CR RR 2 02 6
46.11/25/72 99      ,WV SODIUM-HYDX  CM 30E3L  0  0  7 13E3 RP-TK SHRP OBJ   UNKNOWN                TK CR RR 0 02 1
47. 6/13/73 BEDFORD ,OH SODIUM-HYDX  CM 13E1L  0  0  1 15E0 TS FL HSE,CPL FA                        TK TRLR  0 21 1

                  CHEMICALS N.O.I. SPILLS  (INCLUDES IND. WASTE FED, ACID, WHEY)
                                                F
                                                A
                                             I  T                P                                               O
                                     Q       N  A                R                                               P S
                                     U       J  L  H             I                                                 O
                                     A       U  I  A             M                                              EA U
                                     N       R  T  Z             A                                              QR R
                                     I       I  I  A             R                                              UE C
                                     T       E  E  R             Y                                              PA E
                                     Y       S  S  D                                                  CONTAINER M
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE
1. 3/13/71 MECHANCS,PA CHEM-NOI      UN 70E1K  0  0 99 56E1 RP-NT IMP LDG                          PLSTC BT 0 02 1
2. 2/10/71 SAN-FRIS,CA CHEM-NOI      UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                   0 00 6
3. 3/19/71 BROAD-CR,MD CHEM-NOI      UN  0E0U  0  0 99  0E9 OTHER UNKNOWN    UNKNOWN                        0 00 5
4. 8/13/71 LAUREL  ,MD CHEMICL-NOI   UN 76E0L  0  0 99 75E0 RP-NT FORKLIFT   PRNSLL ERR                     0 51 1
5.10/ 6/71 BALTIMOR,MD CHEM-NOI      UN  0E0U  0  0 99  0E9 OTHER UNKNOWN    UNKNOWN                        0 00 5
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 6.10/29/71 HOLLAND  ,MI CHEM-NOI       UN  0ECU  0  0 99  0E9 RP-TK CONTR FLRE EXPLOSION  CHMCAL RE  CDBD DRM 0 04 3
 7. 0/ 0/72          ,MD CHEM-NOI       UN 38E2L  0  0 99  0E9 OVRFW PRNSLL ERR                       STO TANK 0 03 5
 8. 1/31/72 ROSEDALE,MD CHEM-NOI        UN  0ECU  0  0 99  0E9 OTHER INTNL REL  UNKNOWN                        0 04 5
 9. 3/23/72 MANASSAS,VA CHEM-NOI        UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
10. 5/ 7/72 99       ,MD CHEM-NOI       UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 04 6
11. 6/ 5/72 BALTIMOR,MD CHEM-NOI        UN  0E0U  0  0 99  0E9 OVRFW PRNSLL ERR UNKNOWN                        0 01 5
12. 7/18/72 BALTIMOR,MD CHEM-NOI        UN  0ECU  0  0 99  0E9 TS FL HSE,CPL FA UNKNOWN                        0 02 5
13. 6/19/72 BALTIMOR,MD CHEM-NOI        UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 04 6
14. 9/15/72 BALTIMOR,MD CHEM-NOI        UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN    DFCTV WELD                     0 00 6
15. 1/ 9/73 FAYETTEV,NC CHEM-NOI        UN  0E0U  0  0 99  0E9 TS FL HSE,CPL FA BLDG CLSP  SNOW/ICE   PA BAG   0 03 3
16. 1/19/73 WOODSTOK,IL CHEM-NOI        UN 19E0L  0  0 99  0E9 OVRFW PRNSLL ERR                       IND MACH 0 04 3
17. 5/ 3/73 CHELSEA ,MA CHEM-NOI        UN  0ECU  0  0 99  0E9 OTHER SPKLRS DSC FIRE                  PA BAG   0 04 3
18. 5/17/72 N-FLORNC,PA IND-CHEMNOI     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
19. 5/16/72 MINGO-JC,OH IND-WST-FEO     UN 76E1K  0  0 99  0E9 OVRFW HSE,CPL FA UNKNOWN               PIPES    0 03 6
20. 5/22/72 STUBNVIL,OH IND-WST-FEO     UN 76E2L  0  0 99  0E9 OVRFW MECH FAIL  UNKNOWN                        0 04 6
21. 5/23/72 MINGO-JC,OH IND-WST-FEO     UN  0ECU  0  0 99  0E9 OVRFW INTNL REL                        PIPES    0 04 6
22. 5/23/72 MARTNS-F,OH IND-WST-IRN     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                          PIPES    0 04 6
23. 5/15/72 LEFORE  ,NC WHEY-IND-WS     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                          SETLG PD 0 05 6
24. 9/ 0/69 JACKSON ,MI INDUS-CHEM      UN 19E2L  0  0 99  0E0 OVRFW INTNL REL  PRNSLL ERR            STO TANK 0 0311
25. 5/11/72 WARREN  ,OH INDUS-CHEM      UN 87E4L  0  0 99  0E9 OVRFW MECH FAIL                                 0 04 6
26. 3/27/69 RICHMOND,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW INTNL REL  PRNSLL ERR                     0 04 6
27. 8/ 8/69 SAN-CARL,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW PRNSLL ERR UNKNOWN                        0 00 6
28. 2/23/70 ALBERTA ,VA INDUS-WASTE     UN 18E3K  0  0 99  0E9 RP-TK DRLMENT                          TK CR RR 0 02 6
29. 1/14/71 ESTUARY ,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
30. 8/ 9/71          ,MD INDUS-WASTE    UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL  FLOOD                          0 00 5
31. 9/20/71 CORPUS-C,TX INDUS-WASTE     UN 16E4L  0  0 99  0E9 OTHER CONTR FLRE                       SETLG PD 0 05 2
32.10/15/71 ELMIRA  ,NY INDUS-WASTE     UN 19E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG    PRNSLL ERR CDBD DRM 0 02 1
33. 1/31/72 CROCKETT,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
34. 2/22/72 ESTUARY ,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
35. 2/29/72 LONGUIEW,TX INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
36. 3/29/72 FLOYD   ,VA INDUS-WASTE     UN 10E3K  0  0 99  0E9 RP-TK COLLSN                           TK TRLR  0 02 6
37. 4/30/72 QUINCY  ,MA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
38. 5/ 4/72 IRONTON ,OH INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW FLOOD                            SETLG PD 0 05 6
39. 5/12/72 OAKLAND ,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW HSE,CPL FA                                0 04 6
40. 5/15/72 EUCLID  ,OH INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 04 6
41. 5/15/72 CLEVLAND,OH INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 04 6
42. 5/16/72 99      ,PA INDUS-WASTE     UN 21E1L  0  0 99  0E9 OVRFW PRNSLL ERR UNKNOWN                        0 00 6
43. 5/17/72 99      ,MD INDUS-WASTE     UN 16E1L  0  0 99  0E9 OVRFW UNKNOWN                                   0 02 6
44. 5/17/72 KANAWA-R,WV INDUS-WASTE     UN 38E2L  0  0 99  0E9 OVRFW OPN VALVE                                 0 04 6
45. 5/22/72 PAWTUXET,RI INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                          PIPES    0 00 6
46. 5/22/72 99      ,NJ INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
47. 5/23/72 PITTSBRG,PA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL                                 0 04 6
48. 5/24/72 BOSTON  ,MA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                          PIPES    0 02 6
49. 5/24/72 99      ,NJ INDUS-WASTE     UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                   0 04 6
50. 6/ 9/72 SAN-PABL,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW HSE,CPL FA                       PIPES    0 02 6
51. 6/28/72 LAKEWOOD,CO INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 05 6
52. 6/29/72 BALTIMOR,MD INDUS-WASTE     UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                   0 06 5
53. 7/19/72 TEXAS-CI,TX INDUS-WASTE     UN 95E0L  0  0 99  0E9 OVRFW UNKNOWN                          SHIP     0 00 6
54.10/10/72 OAKLAND ,CA INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                   0 00 6
55.10/31/72 99      ,NJ INDUS-WASTE     UN 19E3L  0  0 99  0E9 OVRFW MECH FAIL                                 0 04 6
56.11/26/72 URAVAN  ,CO INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW PRNSLL ERR UNKNOWN               STO TANK 0 03 6
57.11/13/72 99      ,MD INDUS-WASTE     UN 38E1L  0  0 99  0E9 OVRFW PRNSLL ERR INTNL REL                      0 04 6
58.11/13/72 99      ,MD INDUS-WASTE     UN  0E0U  0  0 99  0E9 OVRFW INTNL REL                                 0 04 6
59.12/15/72 PLAINSVL,OH INDUS-WASTE     UN 76E3L  0  0 99  0E9 OVRFW PWR FLRE                                  0 00 6
60. 2/ 1/73 LOVLAND ,CO INDUS-WASTE     UN 20E4L  0  0 99  0E9 OTHER MECH FAIL                        SETLG PD 0 06 6
61. 3/23/71 RICHMOND,CA INDWST-ACID     UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                   0 00 6
62. 4/11/72 DIXMOOR ,IL INDWST-ACID     UN  0E0U  0  0 99  0E9 RP-TK EXPLOSION  FIRE                  STO TANK 0 05 6
63. 4/11/72 CLEVLAND,OH INDWST-FEO      UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL                        IND MACH 0 04 6
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64. 5/31/72 STEUBENV,OH INDWST-FED   UN 76E2L  0  0 99  0E9 RP-NT OPN VALVE                         PIPES     0 04 6
65. 5/26/70 HARVEY  ,LA CHEMICALS.   UN  4E7L  0  0 99  0E0 RP-TK EXPLOSION  EXCESS TMP FIRE        STO TANK 1 03 3

              CHLORACETYL CHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                        Q     N  A         R                                                  P S
                                        U     J  L  H      I                                                    O
                                        A     U  I  A      M                                                 EA U
                                        N     R  T  Z      A                                                 QR R
                                        I     I  I  A      R                                                 UE C
                                        T     E  E  R      Y                                                 PA E
                                        Y     S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/17/71 BENTON-H,MI CHLOR-CHLOR  CL 15E3K  0  0  6 62E2 RP-TK CONTR FLRE OVRTURN    RDWY CONDS TK TRLR  0 02 1

              CHLORDANE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                        Q     N  A         R                                                  P S
                                        U     J  L  H      I                                                    O
                                        A     U  I  A      M                                                 EA U
                                        N     R  T  Z      A                                                 QR R
                                        I     I  I  A      R                                                 UE C
                                        T     E  E  R      Y                                                 PA E
                                        Y     S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/16/71 CUMBRLND,MD CHLORDANE    BP  8E0L  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 01 5
2. 6/14/72 SLT-LK-C,UT CHLORDANE    BP  4E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG               GBTL/CTN 0 02 1

              CHLORINE GAS SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                        Q     N  A         R                                                  P S
                                        U     J  L  H      I                                                    O
                                        A     U  I  A      M                                                 EA U
                                        N     R  T  Z      A                                                 QR R
                                        I     I  I  A      R                                                 UE C
                                        T     E  E  R      Y                                                 PA E
                                        Y     S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/14/71 NY-SLOUG,CA CHLORINE     UN  0E0U  0  0 99  0E9 OTHER UNKNOWN                                   0 06 6
2. 8/28/72 HUDSON   ,WI CHLORINE     UN 18ECK  0  0  3  0E9 RP-TK CONTR FLRE UNKNOWN               GA CYLDR 0 03 6
3.12/20/72 LUKE     ,MD CHLORINE     UN  0E0U 11  0 99  0E9 OVRFW HSE,CPL FA VHCL MVD              TK CR RR 0 01 6
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                      CHLOROFORM SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 3/ 5/73 BAYONNE ,NJ CHLOROFORM   BP   4E0L  0  0  1  0E9 OTHER UNKNOWN                           GBTL/CTN 0 02 1

                      CHLOROSULFONIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 3/21/72 99      ,99 CHLOROSULFO  CL  57E0L  0  0  1  0E9 RP-NT SHRP OBJ   IMP LOG                STL DRUM 0 02 1
2. 6/15/72 ENGLWOOD,NJ CHLOROSULFO  CL  19E1L  0  0  1 50E0 RP-TK CONTR FLRE DFCTV WELD             TK TRLR  0 02 1
3. 6/23/72 LAKE-CHA,LA CHLOROSULFO  CL   1E0L  3  0  1 35E1 RP-NT CONTR FLRE UNKNOWN                GBTL/CTN 0 01 1
4. 5/23/73 MENTOR  ,OH CHLOROSULFO  CL  85E3K  0  0  6 90E2 RP-TK LKG CVR    DRLMENT                TK CR RR 0 02 1

                      CHROMATES  SPILLS---SYN.--SODIUM CHROMATE
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 6/15/73 HENRIETA,OK CHROMATES    BP  10E5L  0  0 10  0E9 OVRFW INTNL REL  VANDALISM              STO TANK 0 06 2
2. 7/27/68 GUADALUP,CA SODIUM-CHRM  BP   0E0U  0  0  0  0E9 OTHER UNKNOWN                                    0 06 6
3. 3/12/73 OTTER-CR,OR SODIUM-CHRM  BP  22E1L  0  0  0  0E9 TS FL UNKNOWN                                    0 04 2
4. 3/12/73 TOLEDO  ,OH SOD-CHR-SOL  BP  22E1L  0  0  1  0E9 OVRFW HSE,CPL FA                        BOILER   0 04 2
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                 CHROMIC ACID SPILLS---SYN.--CHROMIC SOLUTION
                                                 F
                                                 A
                                              I  T          P                                                   O
                                          Q   N  A          R                                                   P S
                                          U   J  L  H       I                                                     O
                                          A   U  I  A       M                                                  EA U
                                          N   R  T  Z       A                                                  QR R
                                          I   I  I  A       R                                                  UE C
                                          T   E  E  R       Y                                                  PA E
                                          Y   S  S  D
  DATE       LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1.10/15/69 RICHMOND,CA CHROMIC-ACI  BP  0E0U  0  0 99   0E9 OTHER MECH FAIL                                  0 04 6
2. 5/ 6/71 GD RAPID,MI CHROMIC-ACI  BP 75E0L  0  0  1   0E0 RP-NT STRK BY V  PRNSLL ERR              STL DRUM 0 05 3
3.11/15/72 SA FE SP,CA CHROMIC-ACI  BP 45E0K  0  0  1   0E0 RP-NT MTRL DFCT  IMPR CNTNR              PLSTC DR 0 02 1
4.12/10/72 ST-PAUL ,MN CHROMIC-ACI  BP 95E1L  0  0  1   0E9 RP-TK CONTR FLRE MTRL DFCT               STO TANK 1 03 6
5.10/17/72 NEWTON-F,OH CHROMIC-ACI  BP 49E3L  0  0  7   0E9 OVRFW MECH FAIL                          STO TANK 0 03 6
6.10/28/71 YORK    ,PA CHRO-ACI-SL  BP 11E0L  0  0  1   0E9 RP-NT DROPPED                            PLSTC BT 0 01 1
7. 4/29/72 CORINTH ,KY CHRO-ACI-SL  BP 49E0L  0  0  1  60E0 RP-NT CONTR FLRE IMP LDG                 GLS CRBY 0 02 1
8. 9/ 6/72 CLEVELND,OH CHRO-ACI-SL  BP 23E1K  0  0  1  50E1 RP-NT CONTR FLRE MTRL DFCT               FBRE DRM 0 02 1

                  COPPER SULFATE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                   O
                                          Q   N  A          R                                                   P S
                                          U   J  L  H       I                                                     O
                                          A   U  I  A       M                                                  EA U
                                          N   R  T  Z       A                                                  QR R
                                          I   I  I  A       R                                                  UE C
                                          T   E  E  R       Y                                                  PA E
                                          Y   S  S  D
  DATE       LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1.10/ 9/72 GRNSBORO,NC COPPER-SULF  BP  0E0U  0  0 99   0E0 RP-NT SPKLRS DSC FIRE        SPON COMB  STL DRUM 4 03 3
2. 5/ 3/72 SANDUSKY,OH COPPER-SULF  BP  0E0U  0  0 99   0E9 OTHER UNKNOWN                                DUMP 1 03 6

                  CREOSOTE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                   O
                                          Q   N  A          R                                                   P S
                                          U   J  L  H       I                                                     O
                                          A   U  I  A       M                                                  EA U
                                          N   R  T  Z       A                                                  QR R
                                          I   I  I  A       R                                                  UE C
                                          T   E  E  R       Y                                                  PA E
                                          Y   S  S  D
  DATE       LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 3/17/73 GAINSVIL,FL CREOSOTE     FL 19E2L  0  0  3   0E9 RP-TK CONTR FLRE EXPLOSION                 BOILER 0 04 2
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                        CRESYLIC ACID SPILLS
                                                 F
                                                 A
                                              I  T          P
                                          Q   N  A          R                                              O
                                          U   J  L  H       I                                              P  S
                                          A   U  I  A       M                                                 O
                                          N   R  T  Z       A                                              EA U
                                          I   I  I  A       R                                              QR R
                                          T   E  E  R       Y                                              UE C
                                          Y   S  S  D                                                      PA E
                                                      DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION    MATERIAL  CLASS
1. 8/12/71 FARMNGTN,NM CRESYLIC-AC  BP  2E0L  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 00 1
2. 9/ 1/71 SILKIRK ,NY CRESYLIC-AC  BP 21E1L  1  0  1  0E9 TS FL HSE,CPL FA                       TK TRLR  0 21 1
3.11/24/71 SHARON  ,PA CRESYLIC-AC  BP 19E0L  0  0  1 25E0 RP-NT BODY FLRE  IMP LDG               STL DRUM 0 02 1
4. 3/ 9/72 ATLANTA ,GA CRESYLIC-AC  BP 11E0L  0  0  1  0E9 RP-NT UNKNOWN                          STL DRUM 0 02 1

                        CUPRIC HYDROXIDE SPILLS
                                                 F
                                                 A
                                              I  T          P
                                          Q   N  A          R                                              O
                                          U   J  L  H       I                                              P  S
                                          A   U  I  A       M                                                 O
                                          N   R  T  Z       A                                              EA U
                                          I   I  I  A       R                                              QR R
                                          T   E  E  R       Y                                              UE C
                                          Y   S  S  D                                                      PA E
                                                      DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION    MATERIAL  CLASS
1.10/27/71 SEATTLE ,WA CUPRIC-HYDR  BP 16E0L  0  0 99 24E0 RP-NT SHRP OBJ   UNKNOWN                         0 02 1

                        CYANIDE OF SODIUM SPILLS---SYN.--SODIUM CYANIDE
                                                 F
                                                 A
                                              I  T          P
                                          Q   N  A          R                                              O
                                          U   J  L  H       I                                              P  S
                                          A   U  I  A       M                                                 O
                                          N   R  T  Z       A                                              EA U
                                          I   I  I  A       R                                              QR R
                                          T   E  E  R       Y                                              UF C
                                          Y   S  S  D                                                      PA E
                                                      DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION    MATERIAL  CLASS
1. 9/ 9/71 BRISBANE,CA CYANIDE-SOD  BP 13E1L  0  0  2 25E0 RP-NT SHRP OBJ   UNKNOWN               STL DRUM 0 02 1
2. 1/ 4/72 AT-SEA  ,   CYANIDE-SOD  BP  0ECU  0  0 99 40E1 RP-NT CONTR FLRE IMP LDG               STL DRUM 0 02 1
3. 3/27/72 NEWARK  ,NJ CYANIDE-SOD  BP 10E1K  0  0  2 20E1 RP-TK CONTR FLRE DFCTV WELD            PRTBL TK 0 02 1
4. 3/ 2/73 BRADDOCK,PA CYANIDE-SOD  BP  2ECL  0  0  1  5E0 RP-NT CONTR FLRE UNKNOWN               STL DRUM 0 02 1
5. 6/19/73 CLEVLAND,OH SODIUM-CYND  BP  0ECU  0  0 99  0E9 RP-NT LSE CP,CVR UNKNOWN               STL DRUM 0 02 1
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                        CYANIDE SPILLS---SYN.--POTASSIUM CYANIDE--CYANIDE SOLUTION-UNSPEC.
                                                 F
                                                 A
                                              I  T         P                                                  O
                                           Q  N  A         R                                                  P S
                                           U  J  L  H      I                                                    O
                                           A  U  I  A      M                                                 EA U
                                           N  R  T  Z      A                                                 QR R
                                           I  I  I  A      R                                                 UE C
                                           T  E  E  R      Y                                                 PA E
                                           Y  S  S  D
  DATE       LOCATION     MATERIAL  CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1. 7/26/71 SAN-ANGL,TX CYANIDE-SOL  BP  8E0L  0  0  1 15E1 RP-NT CONTR FLRE OVRPRES               STL DRUM 0 02 1
2. 8/11/71 PITTSBRG,PA CYNID-OF-PT  BP  4ECK  0  0  1 20E0 RP-NT CONTR FLRE IMP LDG               STL DRUM 0 02 1
3. 9/19/72 PRVDENCE,RI CYANIDE-SOL  BP  0E0U  0  0 99  0E0 OVRFW FORGN SUBS SPKLRS DSC FIRE       DIP TANK 0 04 3
4.11/15/71 CHERYVIL,NC POT-CYANIDE  BP 19ECL  0  0  3 30E0 RP-NT SHRP OBJ   DROPPED    IMPR HNDLG STL PAIL 0 01 1
5. 6/15/73 TULSA   ,OK POT-CYANIDE  BP 38E2L  0  0 10  0E9 RP-TK MTRL DFCT                        STC TANK 0 03 2
6. 5/ 6/71 GD RAPID,MI CYANIDE      BP  1E3L  0  0  8  0E0 RP-NT STRK BY V  PRNSLL ERR            STL DRUM 1 05 3
7. 5/27/72 TULSA   ,OK CYANIDE      BP  0E0U  0  0 99  0E9 OTHER UNKNOWN                                   0 02 6
8. 8/18/72 GD RAPID,MI CYANIDE      BP  1ECK  0  0  1 10E0 RP-NT IMPR HNDLG PRNSLL ERR            GBTL/CTN 0 01 1
9. 2/16/73 BOSTON  ,MA CYNID-OF-PT  BP  4ECL  0  0  1 50E0 RP-NT LSE CP,CVR                       PLSTC BT 0 01 1

                         CYANO PYRIDINE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                           Q  N  A         R                                                  P S
                                           U  J  L  H      I                                                    O
                                           A  U  I  A      M                                                 EA U
                                           N  R  T  Z      A                                                 QR R
                                           I  I  I  A      R                                                 UE C
                                           T  E  E  R      Y                                                 PA E
                                           Y  S  S  D
  DATE       LOCATION     MATERIAL  CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1. 6/13/73 FREEPORT,TX CYANO-PYRID  CL 57E3L  0  0 99  0E9 RP-TK VALVE BKN                        STO TANK 0 03 2

                         CYCLOHEXANE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                           Q  N  A         R                                                  P S
                                           U  J  L  H      I                                                    O
                                           A  U  I  A      M                                                 EA U
                                           N  R  T  Z      A                                                 QR R
                                           I  I  I  A      R                                                 UE C
                                           T  E  E  R      Y                                                 PA E
                                           Y  S  S  D
  DATE       LOCATION     MATERIAL  CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1. 6/12/73 ORANGE  ,TX CYCLOHEXANE  FL 76E1L  0  0  2  0E9 TS FL UNKNOWN                                   0 01 2
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                       CYTHION INSECTICIDE SPILLS---SYN---MALATHION
                                                    F
                                                    A
                                                 I  T          P
                                          Q      N  A          R                                                 O
                                          U      J  L  H       I                                                 P S
                                          A      U  I  A       M                                                   O
                                          N      R  T  Z       A                                                EA U
                                          I      I  I  A       R                                                QP R
                                          T      E  E  R       Y                                                UE C
                                          Y      S  S  D                                                        PA E
                                                         DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 DATE       LOCATION     MATERIAL  CLASS
1. 6/ 2/71 DENVER   ,CO CYTHION-INS  BP   7E0L   0  0  1 12E1 RP-NT LSE CP,CVR                       STL DRUM 0 02 1
2. 7/10/71 POCATELO,ID  MALATHION    BP   1E0L   0  0  1 18E0 RP-NT LSE CP,CVR                       STL DRUM 0 02 1

                        1-2 DICHLOROBENZENE---SYN.--DOW-THERM
                                                    F
                                                    A
                                                 I  T          P
                                          Q      N  A          R                                                 O
                                          U      J  L  H       I                                                 P S
                                          A      U  I  A       M                                                   O
                                          N      R  T  Z       A                                                EA U
                                          I      I  I  A       R                                                QR R
                                          T      E  E  R       Y                                                UE C
                                          Y      S  S  D                                                        PA E
                                                         DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 DATE       LOCATION     MATERIAL  CLASS
1. 7/19/70 CNCNNATI,OH  DOW-THERM    BP   0E0U   0  0 99  0E0 CNRFR OVRPRES    EXCESS TMP              BOILER 0 04 3
2. 6/13/73 KINGSPRT,TN  DOW-THERM    BP  57E1L   0  0  2  0E9 OTHER UNKNOWN                                   0 00 2

                        DICHLORO BENZOYL PEROXIDE SPILLS
                                                    F
                                                    A
                                                 I  T          P
                                          Q      N  A          R                                                 O
                                          U      J  L  H       I                                                 P S
                                          A      U  I  A       M                                                   O
                                          N      R  T  Z       A                                                EA U
                                          I      I  I  A       R                                                QR R
                                          T      E  E  R       Y                                                UE C
                                          Y      S  S  D                                                        PA E
                                                         DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 DATE       LOCATION     MATERIAL  CLASS
1. 1/25/73 NEW YORK,NY  DICHLORO PE  BP  12E1L   2  0  1  0E0 RP-NT CONTR FLRE EXPLOSION  CHMCAL RE  FBRE DRM 0 03 3
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                         DICHLOROETHYL ETHER SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                         Q    N  A          R                                                P  S
                                         U    J  L  H       I                                                   O
                                         A    U  I  A       M                                                EA U
                                         N    R  T  Z       A                                                QR R
                                         I    I  I  A       R                                                UE C
                                         T    E  E  R       Y                                                PA E
                                         Y    S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/19/71 EFFINGHM,IL DICHLOROETH  BP 21E1L  5  0  1 30E2 RP-NT CONTR FLRE UNKNOWN              STL DRUM  0 02 1
2. 7/13/72 GREENBRO,NC DICHLOROETH  BP 19E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN              STL DRUM  0 02 1

                         DIELDRIN SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                         Q    N  A          R                                                P  S
                                         U    J  L  H       I                                                   O
                                         A    U  I  A       M                                                EA U
                                         N    R  T  Z       A                                                QR R
                                         I    I  I  A       R                                                UE C
                                         T    E  E  R       Y                                                PA E
                                         Y    S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/ 2/71 BILLINGS,MT DIELDRIN     BP 1E0K   0  0  1 10E1 RP-NT SHRP OBJ                        PA BAG    0391 1

                         DIETHYL SULFATE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                         Q    N  A          R                                                P  S
                                         U    J  L  H       I                                                   O
                                         A    U  I  A       M                                                EA U
                                         N    R  T  Z       A                                                QR R
                                         I    I  I  A       R                                                UE C
                                         T    E  E  R       Y                                                PA E
                                         Y    S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/11/71 MARION  ,IL DIETH-SULFA  CL 15E3L  0  0  6  0E9 OTHER UNKNOWN                         TK TRLR   0 00 2
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                 DI ISO BUTLYAMINES SPILLS
                                               F
                                               A
                                            I  T            P
                                          Q N  A            R                                                 O
                                          U J  L  H         I                                                 P  S
                                          A U  I  A         M                                                    O
                                          N F  T  Z         A                                                 EA U
                                          I I  I  A         R                                                 QR R
                                          T E  E  R         Y                                                 UE C
                                          Y S  S  D                                                           PA E
   DATE      LOCATION      MATERIAL  CLASS,         DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER M
1. 2/15/71 MOBILE   ,AL DI-ISO-BUTL FL  76F0L 0  0  1  20E0 RP-TK LKG CVR                            TK CR RR 0 02 1

                 DIMAZINE SPILLS
                                               F
                                               A
                                            I  T            P
                                          Q N  A            R                                                 O
                                          U J  L  H         I                                                 P  S
                                          A U  I  A         M                                                    O
                                          N R  T  Z         A                                                 EA U
                                          I I  I  A         R                                                 QR R
                                          T E  E  R         Y                                                 UE C
                                          Y S  S  D                                                           PA E
   DATE      LOCATION      MATERIAL  CLASS          DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER M
1. 4/20/71 PORT-NEW,NJ DIMAZINE    FL  32E0K 0  0  1  20E1 RP-NT SHRP OBJ                           STL DRUM 0 02 1

                 DINITRO PHENOL SOLUTION SPILLS
                                               F
                                               A
                                            I  T            P
                                          Q N  A            R                                                 O
                                          U J  L  H         I                                                 P  S
                                          A U  I  A         M                                                    O
                                          N R  T  Z         A                                                 EA U
                                          I I  I  A         R                                                 QR R
                                          T E  E  R         Y                                                 UE C
                                          Y S  S  D                                                           PA E
   DATE      LOCATION      MATERIAL  CLASS          DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER M
1. 3/ 2/71         ,   DINITRO-PHE BP   1E0L 0  0  1   0E9 RP-NT MTRL DFCT                          STL DRUM 0 01 1
2. 3/30/71 COMERC-C,CO DINITRO-PHE BP   1E0L 0  0  1  45E1 RP-NT UNKNOWN     IMP LDG                STL PAIL 0 82 1
3. 5/ 4/71 CINCINAT,OH DINITRO-PHE BP   3E0L 0  0  1   0E9 RP-NT DROPPED                            GBTL/CTN 0 91 1
4. 5/ 5/71 FIR     ,OR DINITRO-PHE BP   1E0L 0  0  1   0E9 RP-NT SHRP OBJ                           STL PAIL 0 01 1
5. 5/21/71 YORK    ,PA DINITRO-PHE BP   4ECL 0  0  1   0E9 RP-NT BODY FLRE   IMP LDG                STL DRUM 0 02 1
6. 5/24/71 HARISBRG,PA DINITRO-PHE BP   6ECL 0  0  1  30E0 RP-NT WET PACKNG                         FBRE DRM 0 02 1
7. 6/10/71 LAUREL  ,MD DINITRO-PHE BP   0E9U 2  0 99  50E1 RP-NT WET PACKNG                         FBRE DRM 0 01 1
8. 5/ 8/72 OAKLAND ,CA DINITRO-PHE BP   1E0L 0  0  1  15E1 RP-NT FORKLIFT    PRNSLL ERR             STL DRUM 0 52 1
9. 6/ 9/72 CINCINAT,OH DINITRO-PHE BP  34E1L 0  0  4  10E1 RP-NT CONTR FLRE                         STL DRUM 0 02 1
0. 6/13/72 KINGS-MT,KY DINITRO-PHE BP  30ECL 0  0  4  20E0 RP-NT SHRP OBJ    IMP LDG                STL DRUM 0 81 1
1. 8/11/72 FIREBJUG,CA DINITRO-PHE BP   1E0L 0  0  1   0E9 RP-NT CONTR FLRE  UNKNOWN                STL DRUM 0 02 1
2.12/ 4/72 MEMPHIS ,TN DINITRO-PHE BP  11E1L 0  0  2  40E1 RP-NT BODY FLRE   MTRL DFCT              STL DRUM 0 02 1
3. 2/ 2/73 FRESNO  ,CA DINITRO-PHE BP   4E0K 0  0  1  10E2 RP-NT CONTR FLRE  UNKNOWN                STL DRUM 0 02 1
4. 2/23/73 WACO    ,TX DINITRO-PHE BP   1E0K 0  0  1   0E9 RP-NT CONTR FLRE  DFCTV WELD             STL PAIL 0 02 1
5. 3/ 9/73 INDIO   ,GA DINITRO-PHE BP   7ECL 0  0  1   0E9 RP-NT CONTR FLRE  UNKNOWN                STL DRUM 0 02 1
6. 3/19/73 FRESNO  ,CA DINITRO-PHE BP  19E0L 0  0  1  50E1 RP-NT FORKLIFT    PRNSLL ERR             STL DRUM 0 50 1
7. 4/ 8/73 LYONS   ,IL DINITRO-PHE BP   8E0L 0  0  2  10E2 RP-NT SHRP OBJ    IMP LDG                STL DRUM 0 02 1
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18. 5/29/73 SYRACUSE,NY DINITRO-PHE  BP 19E0L  0  0  1 20E0 RP-NT SHRP OBJ                         STL PAIL 0 02 1

                        DI-SYSTON SPILLS
                                                  F
                                                  A
                                               I  T           P                                               O
                                          Q    N  A           R                                                P S
                                          U    J  L  H        I                                                  O
                                          A    U  I  A        M                                               EA U
                                          N    R  T  Z        A                                               QR R
                                          I    I  I  A        R                                               UE C
                                          T    E  E  R        Y                                               PA E
                                          Y    S  S  D
  DATE     LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/10/71 OMAHA    ,NB DI-SYSTON    BP 17E0L  0  0  3  0E9 RP-NT MTRL DFCT                        STL PAIL 0 02 1
2. 4/14/71 ST-LUS-O,CA DI-SYSTON    BP  5E0K  0  0  1 80E1 RP-NT SHRP OBJ                         PA BAG   0 02 1

                        DODECYL PHENOL SPILLS
                                                  F
                                                  A
                                               I  T           P                                               O
                                          Q    N  A           R                                                P S
                                          U    J  L  H        I                                                  O
                                          A    U  I  A        M                                               EA U
                                          N    R  T  Z        A                                               QR R
                                          I    I  I  A        R                                               UE C
                                          T    E  E  R        Y                                               PA E
                                          Y    S  S  D
  DATE     LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/ 3/72 ROXANA   ,IL DODECYL-PHE  CL 68E3K  0  0  6 18E3 RP-TK COLLSN     UNKNOWN               TK CR RR 0 02 1

                        DYNAFUME SPILLS
                                                  F
                                                  A
                                               I  T           P                                               O
                                          Q    N  A           R                                                P S
                                          U    J  L  H        I                                                  O
                                          A    U  I  A        M                                               EA U
                                          N    R  T  Z        A                                               QR R
                                          I    I  I  A        R                                               UE C
                                          T    E  E  R        Y                                               PA E
                                          Y    S  S  D
  DATE     LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/20/72 SPOKANE  ,WA DYNAFUME     BP 76E0L  0  0 99 10E1 RP-NT SHRP OBJ   UNKNOWN               STL DRUM 0 51 1
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                   ENDRIN SPILLS
                                                F
                                                A
                                             I  T          P
                                       Q     N  A          R                                                 O
                                       U     J  L  H       I                                                 P S
                                       A     U  I  A       M                                                   O
                                       N     R  T  Z       A                                                EA U
                                       I     I  I  A       R                                                QR R
                                       T     E  E  R       Y                                                UE C
                                       Y     S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL  CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 2/71 PORTSMOU,OH ENDRIN      BP  4E0L  0  0  1  0E9 OTHER INTNL REL  VANDALISM                      0 06 2

                   EPICHLOROHYDRIN SPILLS
                                                F
                                                A
                                             I  T          P
                                       Q     N  A          R                                                 O
                                       U     J  L  H       I                                                 P S
                                       A     U  I  A       M                                                   O
                                       N     R  T  Z       A                                                EA U
                                       I     I  I  A       R                                                QR R
                                       T     E  E  R       Y                                                UE C
                                       Y     S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL  CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/19/71 OHIO-RIV,   EPICHLOROHY BP 23E2L  0  0  6  0E9 OTHER UNKNOWN                                   0 04 2
2. 6/10/71 TREVOSE ,PA EPICHLOROHY BP  4E0L  0  0  1  0E9 RP-NT SHRP OBJ                         STL DRUM 0 02 1

                   EPN SOIL FUMIGANT SPILLS
                                                F
                                                A
                                             I  T          P
                                       Q     N  A          R                                                 O
                                       U     J  L  H       I                                                 P S
                                       A     U  I  A       M                                                   O
                                       N     R  T  Z       A                                                EA U
                                       I     I  I  A       R                                                QR R
                                       T     E  E  R       Y                                                UE C
                                       Y     S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL  CLASS             DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/30/71 HELENA  ,AP EPN-FUMIGAN BP 15E1L  0  0  3 25E2 RP-NT VANDALISM  MTRL DFCT             STL DRUM 0 02 1
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                         ETHYL ACRYLATE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                O
                                         U    J  L  H        I                                                P S
                                         A    U  I  A        M                                                  O
                                         N    R  T  Z        A                                               EA U
                                         I    I  I  A        R                                               QR R
                                         T    E  E  R        Y                                               UE C
                                         Y    S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/ 9/73 WILMINGT,MA ETH-ACRILAT  FL 19E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN               STL DRUM 0 02 1
                         ETHYL BENZENE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                O
                                         U    J  L  H        I                                                P S
                                         A    U  I  A        M                                                  O
                                         N    R  T  Z        A                                               EA U
                                         I    I  I  A        R                                               QR R
                                         T    E  E  R        Y                                               UE C
                                         Y    S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/ 5/71 INDUSTRY,CA ETH-BENZENE  FL  0E0U  0  0 99  0E0 RP-TK RLF VAL OP OVRPRES    MECH FAIL  CKG/MX T 1 04 3
2. 4/25/73 ATCHAF-3,LA ETH-BENZENE  FL 64E4L  0  0  9  0E9 RP-TK SHRP OBJ   COLLSN                BARGE TK 0 02 2
                         ETHYL BUTYRALDEHYDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                O
                                         U    J  L  H        I                                                P S
                                         A    U  I  A        M                                                  O
                                         N    R  T  Z        A                                               EA U
                                         I    I  I  A        R                                               QR R
                                         T    E  E  R        Y                                               UE C
                                         Y    S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/ 7/72 KANAWHAR,WV ETH-BUTYRAL  FL 11E3L  0  0  2  0E9 OVRFW PRNSLL ERR                       BARGE TK 0 01 2
2. 8/ 7/72 KANAWHAR,WV ETH-BUTYRAL  FL 0E CU  0  0 99 15E3 OVRFW GAU MS/DFC PRNSLL ERR                     0 01 2
3. 8/ 7/72 KANAWHA ,WV ETH-BUTYRAL  FL 11E3L  0  0  2  0E9 OVRFW PRNSLL ERR UNKNOWN               BARGE TK 0 01 6
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                     ETHYLENE DIBROMIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 5/ 6/71 MILWAKEE,WI ETH-DIBROMI  BP 30E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                STL PAIL 0 02 1
2.10/ 9/71 SEATLE  ,WA ETH-DIBROMI  BP  1E0L  0  0  1  0E9 RP-NT MTRL DFCT                         STL PAIL 0 01 1
3. 1/28/72 NEW-OLNS,LA ETH-DIBROMI  BP  0E0   0  0 99  0E9 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 50 1
4. 5/30/72 EDGEWOOD,IL ETH-DIBROMI  BP  0E0U  0  0 99  0E9 RP-TK UNKNOWN    DRLMENT                TK CR RR 0 02 6

                     ETHYLENE DICHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1.10/ 8/71 BRENT-HA,MI ETH-DICHLOR  FL 75E2L  0  0  5 85E1 RP-TK LKG CVR                           TK TRLR  0362 1
2. 6/15/72 ST-FRNCS,AR ETH-DICHLOR  FL 83E1K  0  0  2 20E2 RP-NT SHRP OBJ   COLLSN      UNKNOWN    STL DRUM 0 02 1
3.12/11/72 CHICAGO ,IL ETH-DICHLOR  FL 26E1L  0  0  1 36E1 RP-NT IMP LDG    MECH FAIL              STL DRUM 0 02 1

                     ETHYL HEXANOL SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 2/13/73 TEXAS-CI,TX ETH-HEXANOL  FL 76E0L  0  0  1  0E9 OTHER UNKNOWN                                    0 01 2
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                    ETHYL PARATHION SPILLS---SYN.--PARATHION LIQUID
                                                  F
                                                  A
                                               I  T           P                                                O
                                           Q   N  A           R                                                P  S
                                           U   J  L  H        I                                                   O
                                           A   U  I  A        M                                                EA U
                                           N   R  T  Z        A                                                QR R
                                           I   I  I  A        R                                                UE C
                                           T   E  E  R        Y                                                PA E
                                           Y   S  S  D
    DATE      LOCATION  MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
 1. 4/ 4/71 KANSAS-C,KS PARATHION-L  BP  8E0L  0  0  2 30E1 RP-NT BODY FLRE                                STL DRUM 0 02 1
 2. 6/23/71 KANSAS-C,KS ETH-PARATHI  BP  1E0L  1  0  1 30E0 RP-NT MTRL DFCT                                STL DRUM 0 71 1
 3. 5/ 1/72 SNTA-CLA,CA ETH-PARATHI  BP 11E0L  0  0  2 26E1 RP-NT CONTR FLRE UNKNOWN                source  STL DRUM 0 02 1
 4. 6/ 5/71 YUBA-CTY,CA PARATHION-L  BP  1E0K  0  0  1 40E1 RP-NT CONTR FLRE IMP LDG                       STL DRUM 0 02 1
 5. 6/30/71 OMAHA   ,NB PARATHION-L  BP 37E0L  2  0  5 25E3 RP-NT LSE CP,CVR IMP LDG                       STL DRUM 0 02 1
 6. 7/ 2/71 SLT-CK-C,UT PARATHION-L  BP  1E0L  0  0  1  0E9 RP-NT UNKNOWN                                  STL PAIL 0 02 1
 7. 7/ 8/71 NEW-ORLN,LA PARATHION-L  BP 14E3L  0  0 10  0E9 RP-NT CONTR FLRE DROPPED                       STL DRUM 0 01 1
 8. 9/17/71 VERNON  ,CA PARATHION-L  BP 19E0L  0  0  3 15E1 RP-NT FORKLIFT   PRNSLL ERR                    STL DRUM 0 52 1
 9. 9/30/71 NEW-ORLN,LA PARATHION-L  BP  2E0L  0  0  1 67E1 RP-NT SHRP OBJ   IMP LDG                       STL DRUM 0 02 1
10. 2/22/72 SALINAS ,CA PARATHION-L  BP  8E0L  0  0  2 38E0 RP-NT CONTR FLRE CONTR FLRE  PRNSLL ERR STL PAIL 0 01 1
11. 3/21/72 LUBBCOCK,TX PARATHION-L  BP 21E1L  0  0  6  0E9 RP-NT CONTR FLRE MTRL DFCT                     STL DRUM 0 02 1
12. 5/ 9/72 99      ,99 PARATHION-L  BP  1E0K  0  0  1  0E9 RP-NT CONTR FLRE UNKNOWN                       STL PAIL 0 02 1
13. 5/ 9/72 NEW-ORLN,LA PARATHION-L  BP 11E0L  0  0  2  0E9 RP-NT CONTR FLRE MTRL DFCT                     STL DRUM 0 02 1
14. 5/17/72 SOUTHGAT,CA PARATHION-L  BP  1E0L  0  0  1 23E1 RP-NT SHRP OBJ   UNKNOWN                       STL PAIL 0 02 1
15. 6/ 8/72 STUNS-PT,WI PARATHION-L  BP  8E0L  3  0  2 10E2 RP-NT FORKLIFT   PRNSLL ERR                             0 01 1
16. 6/16/72 READING ,PA PARATHION-L  BP  8E0L  0  0  2 35E2 RP-NT SHRP OBJ   IMP LDG                       STL PAIL 0 02 1
17. 6/20/72 DEERFLD ,MA PARATHION-L  BP  1E0K  0  0  1  0E9 RP-NT LSE CP,CVR                               STL PAIL 0 02 1
18. 6/20/72 ULESLACO,TX PARATHION-L  BP  4E0L  0  0  1 10E2 RP-NT CONTR FLRE                               STL DRUM 0 01 1
19. 6/24/72 IMPERIAL,CA PARATHION-L  BP 18E2K  0  0  9  0E9 OVRFW EXPLOSION  FIRE                                   2 01 6
20. 7/12/72 HARTFORD,CT PARATHION-L  BP 19E0L  0  0  3  1E3 RP-NT SHRP OBJ   IMP LDG                       STL PAIL 0 02 1
21. 8/ 4/72 N-LTL-RK,AR PARATHION-L  BP 17E0L  0  0  3  0E9 RP-NT SHRP OBJ   PRNSLL ERR                    STL PAIL 0 01 1
22. 9/21/72 PHOENIX ,AZ PARATHION-L  BP  1E0L  0  0  1 10E1 RP-NT CONTR FLRE IMP LDG                       STL PAIL 0 02 1
23. 2/14/73 LOS-ANGL,CA PARATHION-L  BP  1E0K  0  0  1 50E0 RP-NT CONTR FLRE MTRL DFCT                     STL DRUM 0 02 1
24. 3/21/73 SLT-LK-C,UT PARATHION-L  BP  1E0L  0  0  1  0E9 RP-NT CONTR FLRE UNKNOWN                       STL PAIL 0 02 1
25. 4/26/73 SALT-L-C,UT PARATHION-L  BP  1E0L  0  0  1  5E0 RP-NT CONTR FLRE IMP LDG                                0 02 1
26. 5/ 2/73 CHARLSTN,SC PARATHION-L  BP  1E0L  0  0  1  0E9 RP-NT MTRL DFCT                                STL PAIL 0 02 1

                       ETHYLAMINE, ANHYDROUS SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                           Q   N  A           R                                                P  S
                                           U   J  L  H        I                                                   O
                                           A   U  I  A        M                                                EA U
                                           N   R  T  Z        A                                                QR R
                                           I   I  I  A        R                                                UE C
                                           T   E  E  R        Y                                                PA E
                                           Y   S  S  D
    DATE      LOCATION  MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
 1. 4/15/73 PETERSBG,VA ETHAMIN-ANH  FL  5E0K  0  0  1  0E9 RP-NT LSE CP,CVR PRNSLL ERR                    STL DRUM 0 02 1
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                      ETHER SPILLS
                                                 F
                                                 A
                                              I  T           P                                                O
                                        Q     N  A           R                                                P S
                                        U     J  L  H        I                                                  O
                                        A     U  I  A        M                                               EA U
                                        N     R  T  Z        A                                               QR R
                                        I     I  I  A        R                                               UE C
                                        T     E  E  R        Y                                               PA E
                                        Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/ 8/72 SPOKANE ,WA ETHER        FL 21E1L  0  0  1 10E2 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1

                      FATTY ACIDS SPILLS
                                                 F
                                                 A
                                              I  T           P                                                O
                                        Q     N  A           R                                                P S
                                        U     J  L  H        I                                                  O
                                        A     U  I  A        M                                               EA U
                                        N     R  T  Z        A                                               QR R
                                        I     I  I  A        R                                               UE C
                                        T     E  E  R        Y                                               PA E
                                        Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/13/70 CHICAGO ,IL FATTY-ASIDS  UN 19E0L  0  0  1  0E9 OVRFW EXCESS TMP CNTRL INOP            STL PAIL 0 04 3
2. 4/18/73 JACKSNBG,WV FATTY-ACIDS  UN 19E1L  0  0  1  0E9 RP-TK DRLM&OVRTN                       TK CR RR 0 02 2
3. 4/25/73 JACKSNBG,WV FATTY-ACID   UN 50E0L  0  0  1  0E9 RP-TK CONTR FLRE DRLMENT               TK CR RR 0 02 2
4. 5/ 1/73 JACKSNBG,WV FATTY-ACID   UN 38E1L  0  0  1  0E9 RP-TK CONTR FLRE DRLMENT               TK CR RR 0 02 2
5. 0/ 0/70 COMMERCE,CA FATTY ACIDS  UN 76E2L  0  0  3  0E0 OVRFW CHMCAL RE  IMPR EQ OP PRNSLL ERR CKG/MX T 0 04 3
6. 5/30/70 CNCNNATI,OH FATTY ACIDS  FL 76E1L  0  0 99  0E0 OVRFW CHMCAL RE                        STO TANK 0 04 3

                      FERRIC CHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P                                                O
                                        Q     N  A           R                                                P S
                                        U     J  L  H        I                                                  O
                                        A     U  I  A        M                                               EA U
                                        N     R  T  Z        A                                               QR R
                                        I     I  I  A        R                                               UE C
                                        T     E  E  R        Y                                               PA E
                                        Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/18/72 BEDFORD ,MI FERRIC-CHLO  OX 15E3L  0  0  6  0E9 OVRFW RPTRD PIPE UNKNOWN               STO TANK 0 03 6
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                    FLUOSULFONIC ACID SPILLS
                                                 F
                                                 A
                                          Q   I  T          P                                                   O
                                          U   N  A          R                                                   P  S
                                          A   J  L  H       I                                                      O
                                          N   U  I  A       M                                                   EA U
                                          T   R  T  Z       A                                                   QR R
                                          I   I  I  A       R                                                   UE C
                                          T   E  E  R       Y                                                   PA E
                                          Y   S  S  D
   DATE      LOCATION    MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER M
1. 7/13/72 CONWAY  ,PA FLUOSULFONI  CL 45E1K  0  0  1 50E1 RP-TK LSE CP,CVR                         TK CR RR  0 02 1

                    FORMALDEHYDE SPILLS
                                                 F
                                                 A
                                          Q   I  T          P                                                   O
                                          U   N  A          R                                                   P  S
                                          A   J  L  H       I                                                      O
                                          N   U  I  A       M                                                   EA U
                                          T   R  T  Z       A                                                   QR R
                                          I   I  I  A       R                                                   UE C
                                          T   E  E  R       Y                                                   PA E
                                          Y   S  S  D
   DATE      LOCATION    MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER M
1. 9/ 9/71 BRUNSWIC,MD FORMALDEHYD  FL 15E3L  0  0  6  0E9 RP-TK BODY FLRE   PRNSLL ERR             TK TRLR   0 02 5
2. 6/15/72 HOUSTON ,TX FORMALDEHYD  FL 11E2L  2  0  1  0E0 RP-NT EXPLOSION   CHMCAL RE   FORGN SUBS STL DRUM  2 04 3
3. 9/ 2/72 REFUGIO ,TX FORMALDEHYD  FL 91E2K  0  0  5  0E9 RP-TK CONTR FLRE  OVRTURN                BK TRLR   0 02 6
4. 9/ 5/72 FARMVILL,NC FORMALDEHYD  FL 32E1K  0  0  5  0E9 OVRFW PRNSLL ERR                         STO TANK  1 03 6

                    FORMIC ACID SPILLS
                                                 F
                                                 A
                                          Q   I  T          P                                                   O
                                          U   N  A          R                                                   P  S
                                          A   J  L  H       I                                                      O
                                          N   U  I  A       M                                                   EA U
                                          T   R  T  Z       A                                                   QR R
                                          I   I  I  A       R                                                   UE C
                                          T   E  E  R       Y                                                   PA E
                                          Y   S  S  D
   DATE      LOCATION    MATERIAL   CLASS             DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER M
1. 2/ 3/71 LOS-ANGL,CA FORMIC-ACID  CL   0E0  0  0 99 18E0 RP-NT UNKNOWN                            STL DRUM  0 02 1
2. 4/22/71 MILWAUKE,WI FORMIC-ACID  CL 25E0L  0  0  1 20E0 RP-NT                                    GLS BTLS  0 02 1
3. 2/21/73 CONCORD ,NC FORMIC-ACID  CL 38E1L  0  0  1 10E1 TS FL HSE,CPL FA  UNKNOWN                TK TRLR   0 51 1
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                      GASOLINE ADDITIVE-UNSPECIFIED SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                         Q     N  A           R                                                P S
                                         U     J  L  H        I                                                  O
                                         A     U  I  A        M                                               EA U
                                         N     R  T  Z        A                                               QR R
                                         I     I  I  A        R                                               UE C
                                         T     E  E  R        Y                                               PA E
                                         Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/ 4/72         ,PA GASOLINE AD   UN 57E3L  0  0 99  0E9 RP-NT EXPLOSION  FIRE       VANDALISM STL PAIL  0 03 3

                      GLYCERIN SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                         Q     N  A           R                                                P S
                                         U     J  L  H        I                                                  O
                                         A     U  I  A        M                                               EA U
                                         N     R  T  Z        A                                               QR R
                                         I     I  I  A        R                                               UE C
                                         T     E  E  R        Y                                               PA E
                                         Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/13/72 IUKA    ,IL GLYCERIN     FL  0E0U   0  0 99  0E9 RP-TK CONTR FLRE DRLMENT              TK CR RR  1 02 6

                      GLYOXAL SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                         Q     N  A           R                                                P S
                                         U     J  L  H        I                                                  O
                                         A     U  I  A        M                                               EA U
                                         N     R  T  Z        A                                               QR R
                                         I     I  I  A        R                                               UE C
                                         T     E  E  R        Y                                               PA E
                                         Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/14/72 HICKORY ,NC GLYOXAL      FS  38E2L  0  0  1  0E9 RP-TK OVRTURN                         TK TRLR   0 02 2
2.11/14/72 HICKORY ,NC GLYOXAL      FS  38E1L  0  0  1  0E9 RP-TK CONTR FLRE COLLSN               TK TRLR   0 02 6
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                    GUTHION SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/ 5/71 OKLAHO-C,OK GUTHION       BP 2E0L  0  0  1  0E9 RP-NT LSE CP,CVR                       STL PAIL  0 02 1
2. 8/ 8/71 DALLAS  ,TX GUTHION       BP 4ECL  0  0  1 50E0 RP-NT SHRP OBJ    UNKNOWN              STL DRUM  0 02 1

                    HEAT TRANSFER OIL SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/15/72 HENDPSON,NV HEAT XFR OIL UN 76E1L  0  0 99  0E0 RP-TK MTRL DFCT                        SLUDGE D  0 04 3
2. 3/14/73 MORGNTN ,NC HEAT XFR OIL UN  0E0U  0  0 99  0E0 RP-NT MECH FAIL   MTRL DFCT            PIPES     0 04 3
3. 4/15/73 PENNSUCO,FL HEAT XFR OIL UN  0E0U  0  0 99  0E0 TS FL RPTRD PIPE MTRL DFCT            CKG/MX T  0 04 3

                    HEPTANE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                 O
                                        U     J  L  H        I                                                 P S
                                        A     U  I  A        M                                                   O
                                        N     R  T  Z        A                                                EA U
                                        I     I  I  A        R                                                QR R
                                        T     E  E  R        Y                                                UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/23/72 KENOVA  ,WV HEPTANE       FL 19E2L  0  0  1  0E9 OVRFW VALVE BKN  MECH FAIL            PIPES     0 02 6
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                      HEPTANE BUTYLCELLOSOLVE SPILLS
                                                   F
                                                   A
                                                I  T          P
                                             Q  N  A          R                                                  O
                                             U  J  L  H       I                                                  P S
                                             A  U  I  A       M                                                    O
                                             N  R  T  Z       A                                                 EA U
                                             I  I  I  A       R                                                 QR R
                                             T  E  E  R       Y                                                 UE C
                                             Y  S  S  D                                                         PA E
   DATE    LOCATION    MATERIAL   CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/26/71 NITRO   ,WV HEP-BUTYLCE    FL  0E0U  0  0 99   0E0 OVRFW MTRL DFCT                        DRYING T 0 05 3

                      HERBICIDE SPILLS
                                                   F
                                                   A
                                                I  T          P
                                             Q  N  A          R                                                  O
                                             U  J  L  H       I                                                  P S
                                             A  U  I  A       M                                                    O
                                             N  R  T  Z       A                                                 EA U
                                             I  I  I  A       R                                                 QR R
                                             T  E  E  R       Y                                                 UE C
                                             Y  S  S  D                                                         PA E
   DATE    LOCATION    MATERIAL   CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/13/69 NAPA    ,CA HERBICIDE      BP 38E3L  0  0  6   0E9 OVRFW OPN VALVE                        STO TANK 1 03 6
2. 5/ 3/71 AMARILLO,TX HERBICIDE      BP  1E0L  0  0 99   0E9 RP-NT UNKNOWN                          STL PAIL 0 02 1
3. 8/17/71 WNSTN-SL,NC HERBICIDE      BP  1E0L  0  0 99   0E9 RP-NT SHRP OBJ   IMP LDG               STL PAIL 0 02 1
4.10/26/71 BROWNSVL,TX HERBICIDE      BP 57E0L  0  0 99  27E1 RP-NT FORKLIFT   PRNSLL ERR            STL DRUM 0 11 1
5. 5/31/72 TACOMA  ,WA HERBICIDE      BP  4E0L  0  0  9   0E9 OVRFW PRNSLL ERR GAU MS/DFC            STO TANK 0 03 6
6. 6/24/72 IMPERIAL,CA HERBICIDE      BP 18E2K  0  0 99   0E9 OVRFW EXPLOSION  FIRE                           2 01 6
7.11/13/72 SEATTLE ,WA HERBICIDE      BP  1E0L  0  0 99  10E0 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1
8. 2/ 8/73 YORK    ,PA HERBICIDE      BP  1E0K  0  0 99  25E0 RP-NT UNKNOWN                          STL PAIL 0 02 1
9. 5/ 2/73 CHERRYVL,NC HERBICIDE      BP 11E0L  0  0 99  15E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1

                        HEXAMETHYLENE DIAMINE SPILLS
                                                   F
                                                   A
                                                I  T          P
                                             Q  N  A          R                                                  O
                                             U  J  L  H       I                                                  P S
                                             A  U  I  A       M                                                    O
                                             N  R  T  Z       A                                                 EA U
                                             I  I  I  A       R                                                 QR R
                                             T  E  E  R       Y                                                 UE C
                                             Y  S  S  D                                                         PA E
   DATE    LOCATION    MATERIAL   CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/22/72 PINSON  ,GA HEXAMETHYLE    CL 30E3L  0  0  3  30E2 RP-TK SHRP OBJ   DRLMENT               TK CR RR 0 02 1
2. 2/21/73 TAFT    ,LA HEXAMETHYLE    CL  0E0U  0  0 99   0E9 RP-TK CONTR FLRE COLLSN                TK CR RR 1 02 6
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HEXACHLOROCYCLOPENTADINE SPILLS

	DATE	LOCATION	MATERIAL	CLASS	QUANITY	INJURIES	FATALITIES	HAZARD	DMG$	PRIMARY CAUSE	2ND CAUSE	3RD CAUSE	4TH CAUSE	CONTAINER	EQUPM	OPAREA	SOURCE
1.	5/29/71	LACROSSE,WI	HEXCHLOR-CY	BP	2E0L	0	0	1	50E0	RP-NT	BODY FLPE	DROPPED			0	01	1

HYDROCHLORIC ACID SPILLS---SYN.--MURIATIC ACID

	DATE	LOCATION	MATERIAL	CLASS	QUANITY	INJURIES	FATALITIES	HAZARD	DMG$	PRIMARY CAUSE	2ND CAUSE	3RD CAUSE	4TH CAUSE	CONTAINER	EQUPM	OPAREA	SOURCE
1.	2/23/71	DALLAS ,TX	HYDROCHLORI	CL	13E3L	0	0	6	55E1	TS FL				TK CR RR	0	01	1
2.	7/15/71	PHOENIX ,AZ	HYDROCHLORI	CL	10E0	0	0	1	0E9	RP-NT	CONTR FLRE	IMP LDG			1	02	1
3.	10/22/71	MONUMENT,NM	HYDROCHLORI	CL	38E2L	0	2	4	0E9	RP-TK	CONTR FLRE	OVRTURN		TK TRLR	0	02	1
4.	0/ 0/72	TALOR ,MI	HYDROCHLORI	CL	19E2L	0	0	3	0E9	RP-TK	CONTR FLRE	UNKNOWN		STO TANK	0	03	6
5.	1/13/72	JACKSONV,FL	HYDROCHLORI	CL	18E0L	0	0	1	20E0	RP-TK	LKG CVR	UNKNOWN		TK CR RR	0	01	1
6.	3/23/72	LEBANON ,KY	HYDROCHLORI	CL	38E1L	0	0	1	20E1	OVRFW	PRNSLL ERR	UNKNOWN		STO TANK	0	01	1
7.	5/ 5/72	ANTIOCH ,CA	HYDROCHLORI	CL	36E4L	0	0	10	0E9	OVRFW	UNKNOWN	UNKNOWN			0	00	6
8.	5/10/72	BAKERSFI,CA	HYDROCHLORI	CL	76E0L	0	0	1	13E1	RP-NT	CONTR FLRE	UNKNOWN		STL DRUM	0	01	1
9.	5/25/72	ORLANDO ,FL	HYDROCHLORI	CL	4E0K	0	0	1	54E0	RP-NT	UNKNOWN	UNKNOWN		GLS BTLS	0	01	1
10.	6/16/72	S-CHRLST,OH	HYDROCHLORI	CL	19E0L	0	0	1	65E1	RP-NT	LSE CP,CVR			PBTL/CTN	0	02	1
11.	6/26/72	DENVER ,CO	HYDROCHLORI	CL	76E1L	0	0	1	0E9	OVRFW	INTNL REL	NMRL OP			0	04	6
12.	8/14/72	S-CHICGO,IL	HYDROCHLORI	CL	76ECL	0	0	1	30E0	TS FL	MECH FAIL			TK TRLR	0	01	1
13.	8/22/72	CHICAGO ,IL	HYDROCHLORI	CL	89E1L	0	0	2	85E1	OVRFW	PRNSLL ERR	GAU MS/DFC		STO TANK	0	51	1
14.	8/31/72	KILGORE ,TX	HYDROCHLORI	CL	19E2L	0	0	3	75E0	TS FL	HSE,CPL FA	VHCL MVD	PRNSLL ERR	TK TRLR	0	21	1
15.	9/10/72	HENDRSON,KY	HYDROCHLORI	CL	50E2L	0	0	4	10E2	RP-TK	CONTR FLRE	MTRL DFCT		TK CR RR	0	02	1
16.	9/17/72	CHICAGO ,IL	HYDROCHLORI	CL	95E2L	0	0	5	0E9	RP-TK	MTRL DFCT			TK CR PR	0	02	1
17.	9/26/72	ODESSA ,TX	HYDROCHLORI	CL	57E2L	0	0	5	10E3	RP-TK	SHRP OBJ	OVRTURN	RDWY CONDS	TK TRLR	0	02	1
18.	9/26/72	SLT-LK-C,UT	HYDROCHLORI	CL	0E0U	0	0	99	0E9	RP-TK	GSKT FAIL			TK CR RR	0	01	6
19.	12/ 2/72	SALT-L-C,UT	HYDROCHLORI	CL	30E3L	0	0	7	0E9	RP-TK	CONTR FLRE	OVRTURN	MECH FAIL	TK TRLR	0	02	6
20.	12/12/72	POTSTOWN,PA	HYDROCHLORI	CL	90E2L	0	0	5	0E9	RP-TK	CONTR FLRE	COLLSN	UNKVOWN	TK TRLR	0	02	6
21.	12/28/72	FAIRLESS,PA	HYDROCHLORI	CL	19E1L	0	0	1	50E0	OVRFW	PRNSLL ERR			STO TANK	0	51	1
22.	1/15/73	HUNTSVIL,AL	HYDROCHLORI	CL	11E2L	0	0	2	80E1	RP-TK	CONTR FLRE	UNKNOWN		TK TRLR	0	51	1
23.	1/30/73	JACKSON ,MI	HYDROCHLORI	CL	15E2L	1	0	3	60E0	TS FL	HSE,CPL FA	LSE CP,CVR		TK TRLR	0	51	1
24.	3/ 7/73	MACON ,GA	HYDROCHLORI	CL	76E1L	0	0	2	0E9	RP-TK	CONTR FLRE	UNKNOWN		TK CR RR	0	02	1
25.	3/ 7/73	MACON ,GA	HYDROCHLORI	CL	19E1L	0	0	1	30E1	RP-TK	BODY FLRE	UNKNOWN		TK CR RR	0	02	1
26.	5/ 4/73	DEERPARK,TX	HYDROCHLORI	CL	19E0L	0	0	1	10E0	RP-TK	OPN VALVE	PRNSLL ERR		TK TRLR	0	51	1
27.	2/ 1/71	MILLIS ,MA	MURIATIC-AC	CL	57E0L	0	0	1	20E0	RP-NT	BODY FLRE			DELDRUM	0	02	1
28.	8/29/71	LAFAYELE,IN	MURIATIC-AC	CL	30E2K	0	0	1	37E1	RP-TK	CONTR FLRE	MTRL DFCT		TK CR RR	0	01	1
29.	1/23/72	CLARKSVL,OH	MURIATIC-AC	CL	0E9	0	0	99	0E9	RP-TK	ROWY CONDS			TK CR RR	0	02	1
30.	3/26/72	EDGEMOOR,DE	MURIATIC-AC	CL	44E3K	0	0	5	14E2	OTHER	UNKNOWN			TK CR RR	0	02	1
31.	4/26/72	LOUISVLE,KY	MURIATIC-AC	CL	14E3L	0	0	4	39E1	RP-TK	CONTR FLRE	MTRL DFCT		TK TRLR	0	02	1

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32. 5/ 4/72 CHICAGO ,IL MURIATIC-AC  CL 59E2L  0  0  2 23E1 RP-TK CONTR FLRE MTRL DFCT             TK TRLR  0 00 1
33. 5/16/72 FAIRLESH,PA MURIATIC-AC  CL 38E1L  0  0  1 25E0 RP-TK VALVE BKN                        TK TRLR  0 01 1
34. 8/ 7/72 IVORYRCK,PA MURIATIC-AC  CL 19E1L  0  0  1 10E0 TS FL HSE,CPL FA                       TK TRLR  0 51 1
35. 8/14/72 BAYONE  ,NJ MURIATIC-AC  CL 57E2L  0  0  2 19E2 RP-TK CONTR FLRE UNKNOWN               TK TRLR  0 01 1
36. 8/21/72 MOCCASIN,MT MURIATIC-AC  CL 79E1L  0  0  1  0E9 RP-TK OVRTURN    UNKNOWN               TK TRLR  0 02 1
37. 9/ 7/72 LEXNGTON,TN MURIATIC-AC  CL 21E1L  0  0  2 14E0 OVRFW UNKNOWN                          STO TANK 0 51 1
38. 9/12/72 BAKERSFL,CA MURIATIC-AC  CL 95E2L  0  0  3 50E1 RP-TK VALVE BKN  PRNSLL ERR            TK TRLR  0 50 1
39.12/ 8/72 99      ,99 MURIATIC-AC  CL 23E3L  0  0  4 60E1 RP-TK CONTR FLRE OVRPRES    MTRL DFCT  STO TANK 0 01 1
40.12/14/72 MT-PLESN,PA MURIATIC-AC  CL 76E1L  0  0  1  0E9 OVRFW CONTR FLRE UNKNOWN               STO TANK 0 01 1
41. 2/24/73 COLUMBUS,OH MURIATIC-AC  CL 45E2L  0  0  2 15E1 RP-TK COLLSN                           TK TRLR  0422 1
42. 3/ 1/73 ST-GEORG,UT MURIATIC-AC  CL 76E1L  0  0  1 75E0 RP-TK BODY FLRE  UNKNOWN               TK TRLR  0 02 1
43. 3/28/73 JACKSON ,MI MURIATIC-AC  CL 19E1L  0  0  1  5E0 OVRFW GAU MS/DFC                       STO TANK 0 01 1
44. 6/18/73 COLUMBUS,OH MURIATIC-AC  CL  3E2L  0  0  3 12E2 OTHER UNKNOWN                          SS CRBY  0 01 1

                   HYDROFLUORIC ACID,AQUEOUS SPILLS
                                                 F
                                                 A
                                              I  T          P
                                         Q    N  A          R                                                O
                                         U    J  L  H       I                                                P  S
                                         A    U  I  A       M                                                   O
                                         N    R  T  Z       A                                                EA U
                                         I    I  I  A       R                                                QR R
                                         T    E  E  R       Y                                                UE C
                                         Y    S  S  D                                                        PA E
   DATE      LOCATION      MATERIAL  CLASS            DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/29/71 KINGSPRT,TN AQ-HYDR-ACD  CL 68ECK  0  0  1 10E1 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1
2.10/12/72 COLUMBUS,OH HYDR-ACD-AQ  CL  4E0L  0  0  1  4E0 RP-NT UNKNOWN                          55 G DRM 0 01 1
3. 3/13/73 PHILLIPS,NJ HYDR-ACD-AQ  CL 76ECL  0  0  1 10E2 RP-NT CONTR FLRE OVRTURN    IMP LDG    STL DRUM 0 92 1
4. 4/10/73 NORFOLK ,VA HYDR-ACD-AQ  CL 11E1L  0  0  1 20E2 RP-NT CONTR FLRE MTRL DFCT             55 G DRM 0 01 1

                     HYDROFLUOSILICIC ACID SPILLS
                                                 F
                                                 A
                                              I  T          P
                                         Q    N  A          R                                                O
                                         U    J  L  H       I                                                P  S
                                         A    U  I  A       M                                                   O
                                         N    R  T  Z       A                                                EA U
                                         I    I  I  A       R                                                QR R
                                         T    E  E  R       Y                                                UE C
                                         Y    S  S  D                                                        PA E
   DATE      LOCATION      MATERIAL  CLASS            DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/11/71 NEWORLEA,LA HYDROFLUOSI  CL 11E1L  0  0  2  0E9 RP-NT SHRP OBJ                         CDBD DRM 0 02 1
2. 2/23/73 WILTON  ,CT HYDROFLUOSI  CL 10E1L  0  0  2 25E0 OVRFW GAU MS/DFC                       STO TANK 0 41 1
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                          HYDROGEN PEROXIDE SPILLS
                                                    F
                                                    A
                                            Q    I  T          P                                                     O
                                            U    N  A          R                                                     P S
                                            A    J  L  H       I                                                       O
                                            N    U  I  A       M                                                    EA U
                                            T    R  T  Z       A                                                    QR R
                                            I    I  I  A       R                                                    UE C
                                            T    E  E  R       Y                                                    PA E
                                            Y    S  S  D
      DATE     LOCATION    MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE   CONTAINER M
  1. 8/ 7/71 BLAINE   ,TN HYDROGEN-PE  CL 37E2L  1  0  7 60E2 RP-NT CONTR FLRE  CLS&OVRTN               CDBD DRM  0 02 1
  2. 1/31/72 WOBURN   ,MA HYDROGEN-PE  CL 21E1L  0  0  3  0E9 RP-NT CONTR FLRE  IMPR HNDLG  PRNSLL ERR  STL DRUM  0 01 1
  3. 4/20/72 SLADEN   ,MS HYDROGEN-PE  CL 13E3K  0  0  9 64E2 RP-TK CLS&OVRTN                           TK TRLR   0 02 1
  4. 4/22/72 99       ,99 HYDROGEN-PE  CL 82E1K  1  0  5 35E3 RP-NT CONTR FLRE  OVRTURN                 STL DRUM  0 02 1
  5. 5/ 5/72 PHILADEL,PA  HYDROGEN-PE  CL 17E1K  0  0  3 52E0 OVRFW PRNSLL ERR  UNKNOWN                 TK TRLR   0 01 1
  6. 9/ 1/72 LONGVIEW,WA  HYDROGEN-PE  CL 63E1L  0  0  5  0E0 RP-NT SHRP OBJ    IMPR HNDLG  INTVL REL   STL DRUM  0 71 1
  7. 4/ 6/73 MERIDIN  ,CT HYDROGEN-PE  CL  8E0L  0  0  1  0E9 RP-NT CONTR FLRE  IMP LDG                 GBTL/CTN  0 02 1
  8. 6/18/73 SECAUCUS,NJ  HYDROGEN-PE  CL 21E1L  0  0  3 80E0 RP-NT SHRP OBJ    UNKNOWN                 55 G DRM  0 01 1

                         HYDROXYETHYL ACRYLATE SPILLS---(ACRYLIC ACID, 2-HYDROXYETHYL ESTER)
                                                    F
                                                    A
                                            Q    I  T          P                                                     O
                                            U    N  A          R                                                     P S
                                            A    J  L  H       I                                                       O
                                            N    U  I  A       M                                                    EA U
                                            T    R  T  Z       A                                                    QR R
                                            I    I  I  A       R                                                    UE C
                                            T    E  E  R       Y                                                    PA E
                                            Y    S  S  D
      DATE     LOCATION    MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE   CONTAINER M
  1. 8/30/71 DETROIT  ,MI HYDROX-ACRE  CL 21E0L  0  0  1 30E1 RP-NT SHRP OBJ    COLLSN      PRNSLL ERR  STL DRUM  0 91 1

                          INK SPILLS
                                                    F
                                                    A
                                            Q    I  T          P                                                     O
                                            U    N  A          R                                                     P S
                                            A    J  L  H       I                                                       O
                                            N    U  I  A       M                                                    EA U
                                            T    R  T  Z       A                                                    QR R
                                            I    I  I  A       R                                                    UE C
                                            T    E  E  R       Y                                                    PA E
                                            Y    S  S  D
      DATE     LOCATION    MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE   CONTAINER M
  1. 8/ 7/71 W-MIDLSX,PA  INK          FL 38E0L  0  0 99 75E0 RP-NT CONTR FLRE  IMP LDG                 PLS PAIL  0 02 1
  2. 9/ 8/71 HAYWOOD  ,CA INK          FL  4E0L  0  0 99 10E0 RP-NT FORKLIFT    PRNSLL ERR              STL DRUM  0 01 1
  3. 9/20/71 HAVERHIL,MA  INK          FL 95E0L  0  0 99 10E1 RP-NT FORKLIFT    PRNSLL ERR              STL DRUM  0 51 1
  4. 9/26/71 WNST-SLM,NC  INK          FL 21E1L  0  0 99  0E9 RP-NT FORKLIFT                            STL DRUM  0 51 1
  5. 1/24/72 CINCINAT,OH  INK          FL 21E1L  0  0 99 34E1 RP-NT CONTR FLRE  MTRL DFCT               STL DRUM  0 02 1
  6. 4/14/72 AZUSA    ,CA INK          FL 59E1L  0  0 99 60E1 RP-NT SHRP OBJ    IMP LDG                 STL PAIL  0 82 1
  7. 5/17/72 AZUSA    ,CA INK          FL 57E0L  0  0 99 11E1 RP-NT SHRP OBJ    IMP LDG                 STL PAIL  0 02 1
  8. 5/24/72 FRST VEW,IL  INK          FL 22E3L  0  0  4  0E0 RP-NT EXPLOSION   FIRE        ELCT ARCNG  STL DRUM  2 03 3
  9. 7/19/72 FT-MORGN,CO  INK          FL 23E1L  0  0 99 10E2 RP-NT CONTR FLRE  MTRL DFCT               TK TRLR   0 02 1
 10. 7/19/72 FT MRGAN,CO  INK          FL 23E1L  0  0 99 10E2 RP-NT MTRL DFCT                           STL DRUM  0 01 1
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11. 7/26/72 MALCOLM ,IA INK          FL 44E1L  0  0 99 12E2 OVRFW MTRL DFCT  IMPR CNTNR            STL DRUM 0 02 1
12. 8/ 9/72 HYTSVLLE,MD INK          FL 15E2L  0  0 99  0E9 RP-NT CONTR FLRE UNKNOWN               STL DRUM 0 02 1
13. 4/24/73 RICHMOND,VA INK          FL 21E1L  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1
14. 6/ 2/73 E LNSDWN,PA INK          FL 21E3L  0  0 99  0E0 RP-NT EXPLOSION  FIRE       VANDALISM  STL DRUM 0 03 3

                       INSECTICIDE SPILLS (UNSPECIFIED)
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                               O
                                          U    J  L H        I                                               P   S
                                          A    U  I A        M                                                   O
                                          N    R  T Z        A                                              EA   U
                                          I    I  I A        R                                              QR   R
                                          T    E  E R        Y                                              UE   C
                                          Y    S  S D                                                       PA   E
   DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 4/10/71 ST-LOUIS,MO INSECTICIDE  BP  0E0U  0  0 99 50E0 RP-NT SHRP OBJ   UNKNOWN                        0 02 1
 2. 6/18/71 KENNEWIK,WI INSECTICIDE  BP  1E0K  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1
 3. 6/28/71 DALLAS  ,TX INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN               STL PAIL 0 02 1
 4. 7/12/71 FRESNO  ,CA INSECTICIDE  BP  1E0K  0  0 99 31E0 RP-NT SHRP OBJ   IMP LDG               PA BAG   0 02 1
 5.11/19/71 LOS-ANGL,CA INSECTICIDE  BP  1E0L  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT             STL PAIL 0 02 1
 6.12/30/71 EL-CNTRO,CA INSECTICIDE  BP 11E0L  0  0  9 23E0 RP-NT BODY FLRE  UNKNOWN               STL DRUM 0 02 1
 7. 1/10/72 CHICAGO ,IL INSECTICIDE  BP 19E0L  0  0 99 20E0 RP-NT SHRP OBJ   DROPPED               STL DRUM 0 01 1
 8. 1/14/72 BERKLEY ,CA INSECTICIDE  BP  0E0U  0  0  9  0E9 OTHER PRNSLL ERR                                0 00 6
 9. 1/24/72 99      ,99 INSECTICIDE  BP  1E0L  0  0 99 25E0 OTHER UNKNOWN                          PA BAG   0 02 1
10. 2/15/72 ST-LOUIS,MO INSECTICIDE  BP 19E0L  0  0 99 20E0 RP-NT CONTR FLRE UNKNOWN               GBTL/CTN 0 02 1
11. 2/22/72 ALBANY  ,GA INSECTICIDE  BP 17E1L  0  0 99  0E9 RP-NT UNKNOWN                          STL PAIL 0 82 1
12. 3/ 3/72 GOLDSBRO,NC INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT CONTR FLRE UNKNOWN               STL DRUM 0 02 1
13. 4/18/72 JACKSNVL,FL INSECTICIDE  BP  8E0L  0  0 99 20E0 RP-NT CONTR FLRE UNKNOWN               GBTL/CTN 0 02 1
14. 4/19/72 POCATELO,ID INSECTICIDE  BP 19E0L  0  0 99 85E0 RP-NT MTRL DFCT                        STL DRUM 0 02 1
15. 4/23/72 HARRISBG,PA INSECTICIDE  BP  1E0L  0  0 99  0E9 RP-NT SHRP OBJ                                  0 01 1
16. 5/20/72 RICHMOND,IN INSECTICIDE  BP  1E0L  0  0 99 10E0 RP-NT CONTR FLRE UNKNOWN               STL DRUM 0 02 1
17. 6/ 5/72 PHOENIX ,AZ INSECTICIDE  BP  8E0L  0  0 99 19E0 OTHER UNKNOWN                          GBTL/CTN 0 02 1
18. 6/ 5/72 TWIN-FLS,ID INSECTICIDE  BP 76E0L  0  0 99 40E1 RP-NT SHRP OBJ   IMP LDG               STL DRUM 0 02 1
19. 6/20/72 ROANOKE ,VA INSECTICIDE  BP  3E0L  0  0 99 15E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 02 1
20. 7/10/72 TOLEDO  ,OH INSECTICIDE  BP 19E0L  0  0 99 40E0 RP-NT SHRP OBJ                         STL PAIL 0 91 1
21. 7/10/72 SLT-LK-C,UT INSECTICIDE  BP  4E0L  0  0 99 12E0 RP-NT CONTR FLRE DROPPED               GLS BTLS 0 01 1
22. 7/24/72 MEMPHIS ,TN INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
23. 8/ 7/72 TOLEDO  ,OH INSECTICIDE  BP 19E0L  0  0 99 20E0 RP-NT CONTR FLRE IMPR HNDLG PRNSLL ERR GBTL/CTN 0 01 1
24. 9/13/72 ST-LOUIS,MO INSECTICIDE  BP  4E0L  0  0 99 50E1 RP-NT CONTR FLRE UNKNOWN               GBTL/CTN 0 02 1
25. 9/22/72 HODGKINS,IL INSECTICIDE  BP  8E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
26. 9/25/72 DALLAS  ,TX INSECTICIDE  BP 19E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN               STL PAIL 0 02 1
27. 9/26/72 DIVERNON,IL INSECTICIDE  BP  3E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 02 1
28. 9/28/72 PLANT-CT,FL INSECTICIDE  BP  1E0K  0  0 99 25E0 RP-NT SHRP OBJ   UNKNOWN               CDBD DRM 0 02 1
29.10/17/72 ROCK-ISL,IL INSECTICIDE  BP  4E0L  0  0 99 10E0 RP-NT CONTR FLRE MTRL DFCT                      0 02 1
30.10/19/72 SLT-LAKE,UT INSECTICIDE  BP  4E0L  0  0 99 15E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
31.11/27/72 NEW-ORLN,LA INSECTICIDE  BP 19E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG               STL DRUM 0 02 1
32. 1/12/73 ST-LOUIS,MO INSECTICIDE  BP  1E0L  0  0 99 40E0 RP-NT CONTR FLRE MTRL DFCT             STL PAIL 0 02 1
33. 1/31/73 MEMPHIS ,TN INSECTICIDE  BP 23E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                        0 02 1
34. 2/19/73 SLT-LK-C,UT INSECTICIDE  BP 43E0L  0  0 99 16E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 02 1
35. 2/26/73 BOISE   ,ID INSECTICIDE  BP  4E0L  0  0 99 20E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
36. 2/27/73 FRESNO  ,CA INSECTICIDE  BP  1E0K  0  0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
37. 3/ 6/73 DENVER  ,CO INSECTICIDE  BP  1E0K  0  0 99  0E9 RP-NT LSE CP,CVR                       STL PAIL 0 02 1
38. 3/12/73 PITTSBRG,PA INSECTICIDE  BP  0E0U  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG               FBRE BOX 0 00 1
39. 4/ 2/73 YAKIMA  ,WA INSECTICIDE  BP  5E0K  0  0 99  0E9 RP-NT LSE CP,CVR                       PA BAG   0 02 1
40. 4/11/73 NAMPA   ,ID INSECTICIDE  BP  2E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN               PBTL/CTN 0 02 1
41. 4/12/73 SACRAMNT,CA INSECTICIDE  BP  0E0U  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN               STL PAIL 0 01 1
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42. 4/16/73 CALDWELL,ID INSECTICIDE  BP 19E0L  0  0 99 51E0 RP-NT CONTR FLRE IMPR HNDLG            STL PAIL 0 01 1
43. 5/ 3/73 SEATTLE ,WA INSECTICIDE  BP  8E0L  0  0 99 60E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
44. 5/ 3/73 AMARILLO,TX INSECTICIDE  BP  4E0L  0  0 99 15E0 OTHER UNKNOWN                          GLS BTLS 0 01 1
45. 5/14/73 CHARLOTT,NC INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
46. 5/17/73 99      ,CA INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 02 1
47. 5/20/73 POCATELO,ID INSECTICIDE  BP 30E1L  0  0 99 10E1 RP-NT BODY FLRE                        STL DRUM 0 02 1
48. 6/14/73 LOS-ANGL,CA INSECTICIDE  BP  4E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN               STL PAIL 0 01 1
49. 6/19/73 SANGER  ,CA INSECTICIDE  BP  1E0K  0  0 99  0E9 RP-NT FORKLIFT   PRNSLL ERR            BGS/CTN  0 51 1

                           IRON SULFATE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                           Q  N  A         R                                                  P S
                                           U  J  L  H      I                                                    O
                                           A  U  I  A      M                                                 EA U
                                           N  R  T  Z      A                                                 QR R
                                           I  I  I  A      R                                                 UE C
                                           T  E  E  R      Y                                                 PA E
                                           Y  S  S  D
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 6/73 CHAPEL-H,NC IRON-SULFAT  UN 15E3L  0  0  4  0E9 OTHER UNKNOWN                                   1 04 2

                           ISOBORENE DIISOCYANATE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                           Q  N  A         R                                                  P S
                                           U  J  L  H      I                                                    O
                                           A  U  I  A      M                                                 EA U
                                           N  R  T  Z      A                                                 QR R
                                           I  I  I  A      R                                                 UE C
                                           T  E  E  R      Y                                                 PA E
                                           Y  S  S  D
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/27/71 SLT-LK-C,UT ISOBORENE-D  BP 38E0L  0  0  4 20E1 RP-NT MTRL DFCT                        STL DRUM 0 01 1
2. 5/21/72 RIDGECRS,CA ISOBORENE-D  BP  1E0K  0  0  1 25E0 RP-NT CONTR FLRE MTRL DFCT             STL PAIL 0 02 1

                           ISOPENTANE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                  O
                                           Q  N  A         R                                                  P S
                                           U  J  L  H      I                                                    O
                                           A  U  I  A      M                                                 EA U
                                           N  R  T  Z      A                                                 QR R
                                           I  I  I  A      R                                                 UE C
                                           T  E  E  R      Y                                                 PA E
                                           Y  S  S  D
 DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/27/72 CAMDEN  ,NJ ISOPENTANE   FL 15E2L  0  0  1  0E9 RP-TK MTRL DFCT                        TK CR RR 0 02 1
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                     ISOPROPYLAMINE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/ 5/71 MOBILE  ,AL ISOPROPY-LA  FL 19E1L  0  0  1 20E0 RP-TK LSE CP,CVR                       TK CR RR 0 02 1
2. 3/ 2/71 ATLANTA ,GA ISOPROPY-LA  FL 76E CL 0  0  1 20E1 RP-TK LSE CP,CVR                                0 02 1

                     ISOTROL SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/18/72 WICHITA ,KA ISOTROL      BP  6E CL 0  0  9 0E9  RP-NT CONTR FLRE UNKNOWN                   STL DRUM 0 02 3

                     K-72 (POTASSIUM PENTACHLOROPHENATE) SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/31/72 EVERETT ,WA K72-POT-PE   BP 57E2L  0  0  5 0E9  OVRFW UNKNOWN                          SETLG PD 0 05 6
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                      KEPONE TECH SPILLS
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                                 O
                                          U    J  L  H       I                                                 P S
                                          A    U  I  A       M                                                   O
                                          N    R  T  Z       A                                                EA U
                                          I    I  I  A       R                                                QR R
                                          T    E  E  R       Y                                                UE C
                                          Y    S  S  D                                                        PA E
  DATE    LOCATION     MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/27/72 99       ,MD KEPONE-TECH  BP  7E0K  0  0  1  0E9 OTHER UNKNOWN                                   0 00 5

                      LASSO PESTICIDE SPILLS
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                                 O
                                          U    J  L  H       I                                                 P S
                                          A    U  I  A       M                                                   O
                                          N    R  T  Z       A                                                EA U
                                          I    I  I  A       R                                                QR R
                                          T    E  E  R       Y                                                UE C
                                          Y    S  S  D                                                        PA E
  DATE    LOCATION     MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/ 6/72 MORRIS   ,IL LASSO-PESTI  BP 47E1L  0  0  1  0E9 RP-TK UNKNOWN    OVRTURN    UNKNOWN     TK TRLR 0 02 6

                       LATEX SPILLS
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                                 O
                                          U    J  L  H       I                                                 P S
                                          A    U  I  A       M                                                   O
                                          N    R  T  Z       A                                                EA U
                                          I    I  I  A       R                                                QR R
                                          T    E  E  R       Y                                                UE C
                                          Y    S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/30/71 SWEETWTR,TN LATEX         UN 64E2K  0  0 99 45E2 RP-TK EXPLOSICN  OVRPRES               STO TANK 0 03 3
2. 9/22/72 VIRGINIA,WA LATEX         UN 19E3L  0  0 99  0E9 OVRFW HSE,CPL FA UNKNOWN               STO TANK 0 03 6
3.11/28/72 WASHNGTN,WV LATEX         UN 38E2L  0  0 99  0E9 OVRFW MECH FAIL  UNKNOWN               IND MACH 0 04 6
4.11/29/72 OHIO-RIV,99 LATEX         UN 38E2L  0  0 99  0E9 OVRFW UNKNOWN                                   0 01 2
5. 3/16/73 OHIO-RIV,99 LATEX         UN 38E2L  0  0 99  0E9 TS FL UNKNOWN                                   0 04 2
6. 3/17/73 OHIO-RIV,99 LATEX         UN 38E2L  0  0 99  0E9 TS FL UNKNOWN                                   0 01 2
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                       LEAD ARSENATE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                              O
                                          U   J  L   H       I                                               P   S
                                          A   U  I   A       M                                                   O
                                          N   R  T   Z       A                                              EA   U
                                          I   I  I   A       R                                              QR   R
                                          T   E  E   R       Y                                              UE   C
                                          Y   S  S   D                                                      PA   E
  DATE      LOCATION   MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/11/71 SACRMENT,CA LEAD-ARSENA  BP  1E0K  0  0  1  0E9 RP-NT SHRP OBJ  IMP LOG              PA BAG    0 02 1
2. 2/15/71 BEAUMONT,TX LEAD-ARSENA  BP  1E0U  0  0 99  0E9 RP-NT IMP LOG                        FBRE BOX  0 02 1
3. 5/ 8/71 LIGONEER,IN LEAD-ARSENA  BP 96E0K  2  0  1 66E0 RP-NT SHRP OBJ                       STL DRUM  0 02 1
4. 6/ 5/71 CLEVLAND,OH LEAD-ARSENA  BP  1E0K  0  0  1  0E9 RP-NT SHRP OBJ  UNKNOWN              PA BAG    0 02 1
5.10/ 2/72 HOUSTON ,TX LEAD-ARSENA  BP  1E0K  0  0  1  0E0 RP-NT SHRP OBJ  IMP LOG              PA BAG    0 02 1
6. 2/16/73 SIOUXCTY,IA LEAD-ARSENA  BP  5E0K  0  0  1 18E0 RP-NT SHRP OBJ  UNKNOWN              PA BAG    0 01 1

                       LITHIUM BROMIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                              O
                                          U   J  L   H       I                                               P   S
                                          A   U  I   A       M                                                   O
                                          N   R  T   Z       A                                              EA   U
                                          I   I  I   A       R                                              QR   R
                                          T   E  E   R       Y                                              UE   C
                                          Y   S  S   D                                                      PA   E
  DATE      LOCATION   MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/24/71 TUCSON  ,AZ LITHIUM BRO  UN  0E0U  0  0 99  0E0 RP-TK OVRPRES                        IND MACH  0 04 3

                       LITHIUM HYPOCHLORITE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                              O
                                          U   J  L   H       I                                               P   S
                                          A   U  I   A       M                                                   O
                                          N   R  T   Z       A                                              EA   U
                                          I   I  I   A       R                                              QR   R
                                          T   E  E   R       Y                                              UE   C
                                          Y   S  S   D                                                      PA   E
  DATE      LOCATION   MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/ 6/71 SAN-FRIS,CA LITHIUM-HYP  OX 68E1K  0  0  1 28E1 RP-NT UNKNOWN                        CDBD DRM  0 02 1
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                      MAGNESIUM BASE ACID SPILLS
                                                 F
                                                 A
                                              I  T            P                                                O
                                        Q     N  A            R                                                P S
                                        U     J  L  H         I                                                  O
                                        A     U  I  A         M                                               EA U
                                        N     R  T  Z         A                                               QP R
                                        I     I  I  A         R                                               UE C
                                        T     E  E  R         Y                                               PA E
                                        Y     S  S  D
  DATE      LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/28/71 OR CITY ,OR MAGNESIUM A  CL 0E CU  0  0 99  0E0 RP-TK OVRPRES     CHMCAL RE             CKG/MX T 0 04 3

                       MAGNUS 755 SPILLS
                                                 F
                                                 A
                                              I  T            P                                                O
                                        Q     N  A            R                                                P S
                                        U     J  L  H         I                                                  O
                                        A     U  I  A         M                                               EA U
                                        N     R  T  Z         A                                               QR R
                                        I     I  I  A         R                                               UE C
                                        T     E  E  R         Y                                               PA E
                                        Y     S  S  D
  DATE      LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/18/73 BRISTOL ,UA MAGNUS-755   FL 19E2L  0  0 99  0E9 OTHER UNKNOWN                                    0 04 2
2. 6/11/73 BRISTOL ,UA MAGNUS-755   FL 19E2L  0  0  3  0E9 OTHER PRNSLL ERR                                 0 03 2

                       MCS 10-16 SPILLS
                                                 F
                                                 A
                                              I  T            P                                                O
                                        Q     N  A            R                                                P S
                                        U     J  L  H         I                                                  O
                                        A     U  I  A         M                                               EA U
                                        N     R  T  Z         A                                               QR R
                                        I     I  I  A         R                                               UE C
                                        T     E  E  R         Y                                               PA E
                                        Y     S  S  D
  DATE      LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/ 7/73 ROME    ,GA MCS-10-16    UN 83E2L  0  0 99  0E9 OTHER UNKNOWN                           TRNSFRMR 0 03 2
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                      MERCURIC OXIDE SPILLS
                                                  F
                                                  A
                                               I  T            P
                                         Q     N  A            R                                                O
                                         U     J  L  H         I                                                 P S
                                         A     U  I  A         M                                                   O
                                         N     R  T  Z         A                                                EA U
                                         I     I  I  A         R                                                QR R
                                         T     E  E  R         Y                                                UE C
                                         Y     S  S  D                                                          PA E
  DATE     LOCATION    MATERIAL   CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1.10/ 7/72 CNCNNATI,OH MEPCURIC OX- BP 70E0K   0  0  1   0E0 RP-NT SHRP OBJ   IMP LDG                FBRE DRM 0 02 1

                      PHENYL-MERCURIC LACTATE SPILLS
                                                  F
                                                  A
                                               I  T            P
                                         Q     N  A            R                                                O
                                         U     J  L  H         I                                                 P S
                                         A     U  I  A         M                                                   O
                                         N     R  T  Z         A                                                EA U
                                         I     I  I  A         R                                                QR R
                                         T     E  E  R         Y                                                UE C
                                         Y     S  S  D                                                          PA E
  DATE     LOCATION    MATERIAL   CLASS                 DMG$ CAUSE 2ND CAUSF  3RD CAUSE   4TH LAUSE CONTAINER M
1.11/13/71 N-PLATTE,NB PHEN-MRC-LC  BP 25E0L   0  0  1  13E2 RP-NT SHRP OBJ   IMPR HNDLG             55 G DRM 0 01 1

                      MERCURY SPILLS
                                                  F
                                                  A
                                               I  T            P
                                         Q     N  A            R                                                O
                                         U     J  L  H         I                                                 P S
                                         A     U  I  A         M                                                   O
                                         N     R  T  Z         A                                                EA U
                                         I     I  I  A         R                                                QR R
                                         T     E  E  R         Y                                                UE C
                                         Y     S  S  D                                                          PA E
  DATE     LOCATION    MATERIAL   CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 4/20/71 ST-PAUL ,MN MERCURY      BP  9E0K   0  0  2  11E1 RP-NT CONTR FLRE                        GLS BTLS 0 02 1
2. 7/ 6/72 LOS-ANGL,CA MERCURY      BP  1E0L   0  0  1  25E1 OTHER UNKNOWN                           GLS CRBY 0 02 1
3.11/ 3/72 CHICAGO ,IL MERCURY      BP 16E1K   0  0  6  14E2 RP-NT DROPPED                           GLS BTLS 0 01 1
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                         MESITYL OXIDE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                           Q  N  A          R                                                P  S
                                           U  J  L  H       I                                                   C
                                           A  U  I  A       M                                                EA L
                                           N  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/26/72 RIVER-SD,CA MESITYL-OXI  FL 15E1L  3  0  1 0E9  OVRFW LKG CVR    MECH FAIL                TK CR RR 0 02 6
                         METAL HYDROXIDE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                           Q  N  A          R                                                P  S
                                           U  J  L  H       I                                                   O
                                           A  U  I  A       M                                                EA U
                                           N  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/11/72 WARREN  ,OH METAL-HYDRO  CL 87E4L  0  0  9 0E9  OVRFW UNKNOWN                                   0 04 6
                         METHACRYLONTRILE LIQUID SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                           Q  N  A          R                                                P  S
                                           U  J  L  H       I                                                   O
                                           A  U  I  A       M                                                EA U
                                           N  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/13/71 KANSAS-C,KS METHACRYLON  FL 26E0L  3  0  1 1BE1 RP-NT FORKLIFT   PRNSLL ERR               STL DRUM 0 01 1
                         METHYL ACRYLATE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                           Q  N  A          R                                                P  S
                                           U  J  L  H       I                                                   O
                                           A  U  I  A       M                                                EA U
                                           N  R  T  Z       A                                                QR R
                                           I  I  I  A       R                                                UE C
                                           T  E  E  R       Y                                                PA E
                                           Y  S  S  D
   DATE      LOCATION    MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/13/71 KANAWHAR,WV METH-ACRYLA  FL 11E3L  0  0 10 0E9  OTHER UNKNOWN                                   0 03 2
2. 3/13/73 SALISBRY,NC METH-ACRYLA  FL 15E2L  0  0  2 10E2 RP-TK CONTR FLRE UNKNOWN                  TK TRLR  0 02 1
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                      METHYL AMYL ACETATE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                 O
                                          U   J  L  H        I                                                 P S
                                          A   U  I  A        M                                                   O
                                          N   R  T  Z        A                                                EA U
                                          I   I  I  A        R                                                QR R
                                          T   E  E  R        Y                                                UE C
                                          Y   S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1.11/25/72 KANAWHA ,WV METH-AMY-AC  FL  0E0U  0  0 99  0E9 RP-TK UNKNOWN    DRLMENT                TK CR RR 2 02 6

                      METHYLENE BROMIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                 O
                                          U   J  L  H        I                                                 P S
                                          A   U  I  A        M                                                   O
                                          N   R  T  Z        A                                                EA U
                                          I   I  I  A        R                                                QR R
                                          T   E  E  R        Y                                                UE C
                                          Y   S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 7/31/72 JEFFRSON,CO METHYLEN-BR  BP 76E1L  0  0  1  0E9 RP-TK UNKNOWN    OVRTURN                TK TRLR  0 02 6
2. 4/ 4/73 TOLEDO  ,OH METHYLEN-BR  BP 68E0L  0  0  1  0E9 RP-NT FORKLIFT   PRNSLL ERR             STL DRUM 0 12 1

                      METHYLENE CHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                 O
                                          U   J  L  H        I                                                 P S
                                          A   U  I  A        M                                                   O
                                          N   R  T  Z        A                                                EA U
                                          I   I  I  A        R                                                QR R
                                          T   E  E  R        Y                                                UE C
                                          Y   S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1.11/28/72 DURHAM  ,NC METH-CHLORI  UN 38E2L  0  0  2  0E9 RP-TK CONTR FLRE OVRTURN                TK TRLR  0 02 6
2. 8/14/73 SPRING-3,AR METH-CHLORI  UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE DRLMENT                PBTL/CTN 0 82 2
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                  METHYL ETHYL KETONE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                             Q N  A           R                                                  O
                                             U J  L  H        I                                                  P  S
                                             A U  I  A        M                                                     O
                                             N R  T  Z        A                                                  EA U
                                             I I  I  A        R                                                  QR R
                                             T E  E  R        Y                                                  UE C
                                             Y S  S  D                                                           PA E
    DATE    LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE CONTAINER M
 1. 2/24/72 BALTIMOR,MD METH-ETHL-K  FL   12E3 0  0  6   0E9 RP-TK UNKNOWN     COLLSN                 TK TRLR  1 02 6
 2. 1/18/71 PHILADEL,PA METH-ETYL-K  FL  69E2L 0  0  3  21E2 TS FL CONTR FLRE  COLLSN      PRNSLL ERR PIPES    0 01 1
 3. 2/26/71 FT-WORTH,TX METH-ETYL-K  FL  38E1L 0  0  1  10E1 RP-TK LKG CVR     DRLMEOVRTN  PRNSLL ERR TK CR RR 0 00 1
 4. 5/10/71 ESTUARY ,CA METH-ETYL-K  FL   0E0U 0  0 99   0E9 OVRFW UNKNOWN                                     0 04 6
 5.12/ 8/71 LAFAYETE,LA METH-ETYL-K  FL  12E2L 0  0  1  10E1 TS FL LKG CVR                            TK TRLR  0 02 1
 6. 2/23/72 BACK-RIV,MD METH-ETYL-K  FL  23E3L 0  0  4   0E9 RP-TK CONTR FLRE  OVRTURN                TK TRLR  0 02 5
 7. 2/24/72 99      ,MD METH-ETYL-K  FL  23E3L 0  0  4   0E9 RP-TK CONTR FLRE  OVRTURN                TK TRLR  0 02 5
 8. 2/29/72 MELVNDLE,MI METH-ETYL-K  FL  95E2L 0  0  3   0E9 RP-TK CPN VALVE   PRNSLL ERR             TK CR RR 0 02 1
 9. 5/23/72 HOME    ,PA METH-ETYL-K  FL  11E3L 1  0  3  53E2 RP-TK LSE CP,CVR  OVRTURN                TK TRLR  0 02 1
10. 6/ 8/73 WILMNGTN,DE METH-ETYL-K  FL   4E0L 0  0  1   0E9 RP-TK LSE CP,CVR                         TK TRLR  0 02 2
11.12/ 3/71 PLNFIELD,CN METH-ETYL K  FL   0E0U 0  0 99   0E0 RP-TK FIRE        ELCT ARCNG  IMPR EQ OP CKG/MX T 0 04 3
12. 8/26/70 HASTINGS,MI METH-ETYI-K  FL  95E0L 2  0  1   0E0 TS FL HSE,CPL FA  MTRL DFCT              IND MACH 0 04 3

                  METHYL ISOBUTAL KETONE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                             Q N  A           R                                                  O
                                             U J  L  H        I                                                  P  S
                                             A U  I  A        M                                                     O
                                             N R  T  Z        A                                                  EA U
                                             I I  I  A        R                                                  QR R
                                             T E  E  R        Y                                                  UE C
                                             Y S  S  D                                                           PA E
    DATE    LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE CONTAINER M
 1. 1/20/72 INSTITUT,WV METH-ISOBUT  FL   0E0U 0  0 99  35E3 OVRFW PRNSLL ERR                                  0 01 2
 2. 1/20/72 KANAWHAP,WV METH-ISOBUT  FL  38E3L 0  0  5   0E9 OVRFW UNKNOWN                                     0 03 2
 3. 2/24/72 BALTIMOR,MD METH-ISOBUT  FL   12E3 0  0  6   0E9 RP-TK UNKNOWN     COLLSN                 TK TRLR  1 02 6

                  METHYL PARATHION SPILLS
                                                  F
                                                  A
                                               I  T           P
                                             Q N  A           R                                                  O
                                             U J  L  H        I                                                  P  S
                                             A U  I  A        M                                                     O
                                             N R  T  Z        A                                                  EA U
                                             I I  I  A        R                                                  QR R
                                             T E  E  R        Y                                                  UE C
                                             Y S  S  D                                                           PA E
    DATE    LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE CONTAINER M
 1. 5/20/71 LUBBOCK ,TX METH-PARTHI  BP   8E0L 0  0  2  20E1 RP-NT CONTR FLRE  UNKNOWN                STL DRUM 0 00 1
 2. 6/ 4/71 W-SLT-LK,UT METH-PARTHI  BP   8E0L 0  0  2   0E9 RP-NT SHRP OBJ                           STL PAIL 0 02 1
 3. 7/ 9/71 99      ,99 METH-PARTHI  BP   0E0U 4  0 99   0E9 RP-NT CONTR FLRE  DROPPED                         0 01 2
 4. 8/10/71 MEMPHIS ,TN METH-PARTHI  BP  21E1L 0  0  6  50E1 RP-NT SHRP OBJ                           STL DRUM 0 01 1
 5. 8/25/71 ALBANY  ,GA METH-PARTHI  BP  4ECL  0  0  1 10E1 RP-NT CONTR FLRE DFCTV WELD            STL DRUM 0 02 1
 6. 9/ 5/71 HOUSTON ,TX METH-PARTHI  BP 19E0L  0  0  3 15E2 RP-NT CONTR FLRE IMPR HNDLG            STL DRUM 0 11 1
 7. 3/31/72 EVENDALE,OH METH-PARTHI  BP 19ECL  0  0  3  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1
 8. 4/ 1/72 EVANDALE,OH METH-PARTHI  BP 19E0L 14  0  3  0E9 RP-NT CONTR FLRE                                0 02 6
 9. 5/ 3/72 GREENVIL,MS METH-PARTHI  BP  1ECL  0  0  1 10E1 RP-NT CONTR FLRE DFCTV WELD            STL DRUM 0 02 1
10. 5/ 4/72 SHREVPRT,LA METH-PARTHI  BP  4E0L  0  0  1 20E1 RP-NT CONTR FLRE DFCTV WELD            STL DRUM 0 02 1
11. 5/16/72 ATLANTA ,GA METH-PARTHI  BP  1E0L  0  0  1 46E0 RP-NT CONTR FLRE DFCTV WELD            STL DRUM 0 02 1
12. 6/ 9/72 MEMPHIS ,TN METH-PARTHI  BP  0E0   0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 02 1
13. 6/ 9/72 99      ,99 METH-PARTHI  BP  8ECL  0  0  2  0E9 RP-NT CONTR FLRE DFCTV WELD            STL DRUM 0 02 1
14. 6/13/72 ULESLACO,TX METH-PARTHI  BP  4ECL  0  0  1  0E9 RP-NT CONTR FLRE DFCTV WELD            STL DRUM 0 02 1
15. 6/30/72 MCALLEN ,TX METH-PARTHI  BP 15E1L  0  0  6  0E9 RP-NT CONTR FLRE CONTR FLRE            STL DRUM 0 02 1
16. 7/17/72 MCALLEN ,TX METH-PARTHI  BP  4ECL  0  0  1 25E2 RP-NT CONTR FLRE UNKNOWN               STL DRUM 0 02 1
17. 7/19/72 NEWORLNS,LA METH-PARTHI  BP  4ECL  2  0  1 15E0 RP-NT SHRP OBJ   DROPPED               STL DRUM 0991 1
18. 8/21/72 PHOENIX ,AZ METH-PARTHI  BP  2ECL  0  0  1 43E1 RP-NT CONTR FLRE IMP LDG               STL PAIL 0 02 1
19. 9/ 1/72 CACTUS J,CA METH-PARATH  BP  8E0L  0  0  2 20E3 RP-NT MTRL DFCT                        STL PAIL 0 02 1
20. 9/11/72 PHOENIX ,AZ METH-PARTHI  BP  1E0L  0  0  1  0E9 RP-NT LSF CP,CVR                       STL DRUM 0 02 1
21. 5/ 1/73 LIMA    ,OH METH-PARTHI  BP  4ECL  0  0  1 60E1 RP-NT LSE CP,CVR                       GLS BTLS 0 02 1

                       METHOXY DIPROPYLENE GLYCOL SPILLS
                                                  F
                                                  A
                                               I  T            P
                                          Q    N  A            R                                               O
                                          U    J  L  H         I                                               P S
                                          A    U  I  A         M                                                 O
                                          N    R  T  Z         A                                              EA U
                                          I    I  I  A         R                                              QR R
                                          T    E  E  R         Y                                              UE C
                                          Y    S  S  D                                                        PA E
     DATE   LOCATION     MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 2/19/73 S CHARLS,WV METHOXYDIPR  BP 23E3L  0  0  9  0E0 RP-TK EXPLOSION  CHMCAL RE             CKG/MX T 0 04 3

                       METHYL METHACRYLATE SPILLS
                                                  F
                                                  A
                                               I  T            P
                                          Q    N  A            R                                               O
                                          U    J  L  H         I                                               P S
                                          A    U  I  A         M                                                 O
                                          N    R  T  Z         A                                              EA U
                                          I    I  I  A         R                                              QR R
                                          T    E  E  R         Y                                              UE C
                                          Y    S  S  D                                                        PA E
     DATE   LOCATION     MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1.10/26/72 BRAINTRE,MA METHMTHACRL  FL 14E0K  0  0  2 38E0 RP-NT SHRP OBJ                         STL DRUM 0 02 1
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                          MOLASSES SPILLS
                                                F
                                                A
                                             I  T         P                                                     O
                                           Q N  A         R                                                     P  S
                                           U J  L  H      I                                                        O
                                           A U  I  A      M                                                     EA U
                                           N R  T  Z      A                                                     QR R
                                           I I  I  A      R                                                     UE C
                                           T E  E  R      Y                                                     PA E
                                           Y S  S  D
  DATE       LOCATION   MATERIAL CLASS               DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER  M
1.11/19/68 SANDIAGO,CA MOLASSES    UN  0E CU 0  0 99  0E9 OVRFW INTNL REL   NMRL OP                           0 00 6
2.12/20/68 PT ALBNY,NY MOLASSES    UN 76E5L  0  1 99  0E0 RP-TK CONTR FLRE  DFCTV WELD             CKG/MX T   0 03 9
3. 8/ 5/69 OKLAND  ,CA MOLASSES    UN 24E3K  0  0 99  0E9 RP-TK UNKNOWN     UNKNOWN                TK TRLR    0 02 6
4. 8/11/69 SAN-FRIS,CA MOLASSES    UN  0E 0U 0  0 99  0E9 OVRFW UNKNOWN     PRNSLL ERP             SHIP       0 00 6
5. 4/15/71 ESTUARY ,CA MOLASSES    UN  0E CU 0  0 99  0E9 OVRFW UNKNOWN     SHIP SANK              BARGE TK   0 02 6
6. 5/ 8/72 PORTLAND,OR MOLASSES    UN   2E0L 0  0  1  0E9 TS FL HSE,CPL FA                                    0 01 6
7.11/11/72 GREELEY ,CO MOLASSES    UN 60E2L  0  0 99  0E9 RP-TK VALVE BKN   UNKNOWN                TK CR RR   0 01 6
8. 2/ 0/73 99      ,99 MOLASSES    UN  0E 0U 1  0 99  0E9 OTHER UNKNOWN                            BARGE TK   0 02 2
9. 6/12/73 IRON-CRE,TX MOLASSES    UN  0E CU 0  0 10  0E9 RP-TK DRLM&OVRTN  UNKNOWN                TK CR RR   1 02 2

                          MONOCYCLOHEXYLAMINE SPILLS
                                                F
                                                A
                                             I  T         P                                                     O
                                           Q N  A         R                                                     P  S
                                           U J  L  H      I                                                        O
                                           A U  I  A      M                                                     EA U
                                           N R  T  Z      A                                                     QR R
                                           I I  I  A      R                                                     UE C
                                           T E  E  R      Y                                                     PA E
                                           Y S  S  D
  DATE       LOCATION   MATERIAL CLASS               DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER  M
1. 6/13/72 CHESAPKE,VA MNOCYCLOHEX FL 42E1L  0  0  1  0E9 RP-NT CONTR FLRE  DROPPED                STL DRUM   0 01 1

                          MONOMETHYLHYDRAZINE SPILLS
                                                F
                                                A
                                             I  T         P                                                     O
                                           Q N  A         R                                                     P  S
                                           U J  L  H      I                                                        O
                                           A U  I  A      M                                                     EA U
                                           N R  T  Z      A                                                     QR R
                                           I I  I  A      R                                                     UE C
                                           T E  E  R      Y                                                     PA E
                                           Y S  S  D
  DATE       LOCATION   MATERIAL CLASS               DMG$ CAUSE 2ND CAUSE   3RD CAUSE   4TH CAUSE  CONTAINER  M
1.10/31/72 PRTR CTR,NY METHYLHDRZN FL 47E1L  0  0  7  0E0 RP-TK EXPLOSION   CHMCAL RE   FORGN SUBS STO TANK   1 05 3
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                       MULTIPLE SPILLS---SPILLS WITH MORE THAN ONE HAZARDOUS MATERIAL
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                O
                                          U    J  L  H        I                                                P S
                                          A    U  I  A        M                                                  O
                                          N    R  T  Z        A                                               EA U
                                          I    I  I  A        R                                               QR R
                                          T    E  E  R        Y                                               UE C
                                          Y    S  S  D                                                        PA E
   DATE      LOCATION    MATERIAL CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  1. 8/23/72 VICTOR  ,FL MULTIPLE    FS  0ECU  0  0 99  0E9 TS FL HSE,CPL FA FIRE                           2 04 3
  2. 4/17/71 E RTHRFD,NJ MULTIPLE    FS 64E3L  0  0  8  0E0 RP-NT CONTR FLRE FIRE       SPOV COMB  STL DRUM 2 03 3
  3.11/ 6/72 COLUMBIA,PA MULTIPLE    FL  0E0U  0  0 99  0E9 OVRFW MECH FAIL  BODY FLRE                      2 04 3
  4.12/30/69 TOLEDO  ,OH MULTIPLE    FL 30E1L  0  0  1 20E0 TS FL HSE,CPL FA DRLM&OVRTN RDWY CONDS BK CR RR 2422 3
  5. 6/15/72 HOUSTON ,TX MULTIPLE    FL 21E1L  2  0  1  0E0 RP-NT EXPLOSION  CHMCAL RE  FORGN SUBS STL DRUM 3 04 3
  6. 2/24/72 DBALTIMO,MD MULTIPLE    FL 25E3L  0  0  6  0E9 RP-TK UNKNOWN    COLLSN                TK TRLR  2 02 6
  7.10/19/71 99      ,CO MULTIPLE    BP 68E0K  0  0  2 27E1 RP-NT UNKNOWN                          STL DRUM 2 02 1
  8.10/19/71 HOUSTON ,TX MULTIPLE    FL 13E4L 50  1  7  0E9 RP-TK SHRP OBJ   DRLMENT               TK CR RR 2 0211
  9. 3/13/69 NAPA    ,CA MULTIPLE    BP 76E3L  0  0  6  0E9 OVRFW OPN VALVE  INTNL REL  VANDALISM  STO TANK 2 03 6
 10. 5/ 5/73 PUERTO-R,   MULTIPLE    FL  0E0L  0  0  1  0E9 RP-NT BODY FLRE  EXPLOSION  FIRE       STL DRUM 2 03 3
 11. 5/24/72 FRST VEW,IL MULTIPLE    FL 66E3L  0  0  4  0E0 RP-NT EXPLOSION  FIRE       ELCT ARCNG STL DRUM 3 03 3
 12. 2/10/71 CHICAGO ,IL MULTIPLE    FL 27E4L  0  0  8 20E3 RP-TK CONTR FLRE DRLMENT               TK CR RR 2 02 1
 13. 6/12/73 IRON-CRE,TX MULTIPLE    FL 37E3L  0  0 10  0E9 RP-TK DRLM&OVRTN UNKNOWN               TK CR RR 2 02 2
 14. 4/26/73 PULASKI ,VA MULTIPLE    FL 13E3L  0  0  6  0E9 RP-TK COLLSN                           TK TRLR  2 02 2
 15.12/13/72 IUKA    ,IL MULTIPLE    BP  0E0U  0  0 99  0E9 RP-TK CONTR FLRE DRLMENT               TK CR RR 2 02 6
 16.12/10/72 ST-PAUL ,MN MULTIPLEMIX BP 19E2L  0  0  1  0E9 RP-TK CONTR FLRE MTRL DFCT             STO TANK 2 03 6
 17. 9/ 5/72 FARMVILL,NC MULTIPLEMIX BP 64E1K  0  0  5  0E9 OVRFW PRNSLL ERR                       STO TANK 2 03 6
 18. 5/ 3/72 SANDUSKY,OH MULTIPLE    BP  0E0U  0  0 99  0E9 OTHER UNKNOWN                          DUMP     2 03 6
 19. 5/ 3/72 ENNIS   ,TX MULTIPLE    OX 76E1L  0  0  1  0E9 OTHER PRNSLL ERR                       TK CR RR 2 06 6
 20. 9/26/72 BALTIMOR,MD MULTIPLE    BP  0E0U  0  0 99  0E9 OVRFW SPKLRS DSC HZRD ML               TRENCH   2195 5
 21. 1/ 9/72 SURGOINS,TN MULTIPLE    BP  0E0U  0  0 99  0E9 TS FL HSE,CPL FA                                3 04 3
 22. 6/24/72 IMPERIAL,CA MULTIPLE    BP 54E2K  0  0  8  0E9 OVRFW EXPLOSION  FIRE                           3 01 6
 23. 5/ 5/71 INDUSTRY,CA MULTIPLE    BP  0ECU  0  0 99  0E9 RP-TK RLF VAL OP U N K N O  MECH FAIL  CKG/MX T 2 04 3
 24.11/25/72 CHARLSTN,WV MULTIPLE       40E3L  0  0  4  0E9 OVRFW DRLMENT                          TK CR RR 3 02 2
 25. 5/21/72 CARROLTN,GA MULTIPLF    UN  0E0U  0  0 99  0E9 OVRFW                                           2 04 3
 26. 2/18/70 DEER PRK,TX MULTIPLE    CL 37E4K  0  0  8  0E0 RP-TK SHRP OBJ   EXPLOSION  CHMCAL RE  STO TANK 2 03 3
 27.10/13/70 APPLETON,WI MULTIPLE    CL  0E0U  0  0 99  0E0 OVRFW CHMCAL RE  FORGN SUBS            CKG/MX T 2 04 3
 28.11/13/71 E ST LUS,IL MULTIPLE    FL  3E4L  0  0 99  0E0 OVRFW OPN VALVE  INTNL REL  VANDALISM  STO TANK 2 03 3
 29.12/ 9/72 MODESTO ,CA MULTIPLE    UN  0ECU  0  0 99  0E0 RP-NT WET PACKNG SPKLRS DSC            PA BAG   2 03 3
 30. 6/26/72 SLABTOWN,MD MULTIPLE    BP 83E3L  0  0 10  0E9 RP-TK SHRP OBJ   DRLMENT               TK CR RR 2 02 5
 31.11/22/72 SHELTON ,CN MULTIPLE    FL 91E1K  0  0  2  0E9 OVRFW UNKNOWN    UNKNOWN               IND MACH 2 04 6
 32. 5/26/70 HARVEY  ,LA MULTIPLE    UN 42E4L  0  0 99  0E0 RP-TK EXPLOSION  EXCESS TMP FIRE       STO TANK 2 03 3
 33.11/16/70 WINDSOR ,CT MULTIPLE    UN  0E0   0  0 99  0E9 OVRFW EXPLOSION  FORGN SUBS                     2 04 3
 34. 4/12/71 STERLING,IL MULTIPLE    UN  0ECU  0  0 99  0E9 OVRFW MECH FAIL                                 2 04 3
 35.10/ 9/72 GRNSBORO,NC MULTIPLE    BP  0E0U  0  0 99  0E0 RP-NT SPKLRS DSC FIRE       SPOV COMB  STL DRUM 4 03 3
 36. 5/ 6/71 GD-RAPID,MI MULTIPLE    BP  2E3L  0  0  8  0E0 RP-NT STRK BY V  PRNSLL ERR            STL DRUM 2 05 3
 37. 5/28/71 WAKEFORS,NC MULTIPLE    CL 76E1L  0  0  5  0E9 RP-NT CONTR FLRE SHRP OBJ   CONTR FLRE STL DRUM 2 02 1
 38. 6/10/71 SBARTONV,IL MULTIPLE    UN  0E0U  0  0 99  0E9 OVRFW MECH FAIL                                 2 04 3
 39. 7/15/71 PHOENIX ,AZ MULTIPLE    CL 11E0L  0  0  1  0E9 RP-NT CONTR FLRE IMP LDG               PBTL/CTN 2 02 1
 40.10/14/71 SBARTONV,IL MULTIPLE    UN 15E2L  0  0 99  0E9 OVRFW MECH FAIL                                 2 04 3
 41. 1/30/72 NEWTOWN ,PA MULTIPLE    CL  0E0U  0  0 99  0E9 OTHER PRNSLL ERR FIRE                           5 03 3
 42. 5/10/72 S-BARTNV,IL MULTIPLE    UN  0E0U  0  0 99  0E9 TS FL HSE,CPL FA                                2 04 3
 43. 5/25/72 SILVAS  ,IL MULTIPLE    UN  0E0U  0  0 99  0E9 TS FL HSE,CPL FA MLTN METAL                     2 04 3
 44. 5/29/72 PHILADEL,PA MULTIPLE    CL 12E4K  0  0 10 18E3 RP-TK                                  TK CR RR 2 02 1
 45. 6/10/72 ST-CLOUD,MN MULTIPLE    UN 76E1L  0  0 99  0E9 TS FL HSE,CPL FA EXPLOSION                      2 04 3
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46. 7/13/72 TORONTO ,    MULTIPLE      UN  0ECU 0  0 99  0E9 RP-NT  CONTP FLRE FIRE       VANDALISM  CDBD DRM 4 03 3
47. 8/12/72 PRKSBURY,PA  MULTIPLE      UN  0E0U 0  0 99  0E0 RP-NT  WET PACKNG SPKLRS DSC FIRE       PA BAG   2 03 3
48.10/ 8/72 BRMNGHAM,AL  MULTIPLE      FL  0E0U 0  0 99  0E0 RP-NT  EXPLOSION  FIRE       VANDALISM  STL PAIL 2 03 3
49.10/29/72 STERLING,IL  MULTIPLE      UN  0E0U 0  0 99  0E9 OVRFW  MECH FAIL                                 2 04 3
50.10/31/72 PRTP CTR ,NY MULTIPLE      FL 94E1L 0  0  7  0E0 RP-TK  EXPLOSION  CHMCAL RE  FORGN SUBS STO TANK 2 05 3
51.11/25/72 KANAWHA ,WV  MULTIPLE      UN  0E0U 0  0 99  0E9 RP-TK  UNKNOWN    DRLMENT               TK CR PR 3 02 6
52.12/21/72 BENSNVIL,IL  MULTIPLE      UN  0ECU 0  0 99  0E9 OVRFW  MECH FAIL                                 2 04 3
53. 1/ 7/73 DESPL-RI,IL  MULTIPLE      CL 14E4L 0  0 19  0E9 RP-TK  MTRL DFCT                        STO TANK 2 03 2
54. 2/21/73 TAFT     ,LA MULTIPLE      CL  0ECU 0  0 99  0E9 RP-TK  CONTR FLRE COLLSN                TK CR RR 2 02 6
55. 3/15/73 ONTARIO ,    MULTIPLE      UN 57E1L 0  0 99  0E9 OVRFW  MECH FAIL                                 2 04 3
56. 4/11/73 BYESVILL,OH  MULTIPLE      UN  0E0U 0  0 99  0E9 OVRFW  MECH FAIL                                 2 04 3
57. 6/ 6/73 CHAPEL-H,NC  MULTIPLE      UN 15E3L 0  0  4  0E9 OTHER  UNKNOWN                                   2 04 2

                              NAPTHA SPILLS---SYN.--NAPTHALITE
                                                   F
                                                   A
                                                I  T         P                                                  O
                                              Q N  A         R                                                  P  S
                                              U J  L  H      I                                                     O
                                              A U  I  A      M                                                  EA U
                                              N R  T  Z      A                                                  QP R
                                              I I  I  A      R                                                  UE C
                                              T E  E  R      Y                                                  PA E
                                              Y S  S  D
  DATE       LOCATION    MATERIAL   CLASS               DMG$ CAUSE  2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1.12/17/70   NORFOLK,VA  NAPTHA        FL 57E1L 0  0  2 38E3 OTHER  INTNL REL  NMRL OP               BARGE TK 0 01 3
2. 8/29/72  CORP-CHR,TX  NAPTHA        FL  1E0L 0  0  1  0E9 TS FL  LSE CP,CVR PPNSLL ERR                     0 01 2
3.12/13/72  LEWISTON,ME  NAPTHA        FL 11E1L 0  2  1  0E0 RP-NT  MTRL DFCT                        CKG/MX T 0 04 3
4.12/18/72  COOK CTY,IL  NAPTHA        FL 28E3L 0  0  7 76E1 RP-TK  CLS&OVRTN  SHRP OBJ              TK TRLR  0 02 1
5. 1/27/73  MT PLSNT,WI  NAPTHA        FL 87E4L 0  0 10  0E0 RP-TK  SHRP OBJ   DRLM&OVRTN            TK CR RR 0 02 9
6. 3/30/73  AMBROS-T,NY  NAPTHA        FL  0E0U 0  0 99  0E9 RP-TK  BODY FLRE  UNKNOWN               SHIP     0 02 2
7. 4/11/73  MILWAUKE,WI  NAPTHA        FL 57E2L 0  0  5 38E1 OVRFW  PRNSLL ERR                       STO TANK 0 41 1
8. 6/14/73  HAMPTON ,SC  NAPHTHALITE   FL 95E0L 0  0  1  0E9 RP-TK  COLLSN                           TK TRLR  0 02 2

                              NAPTHALENE SPILLS
                                                   F
                                                   A
                                                I  T         P                                                  O
                                              Q N  A         R                                                  P  S
                                              U J  L  H      I                                                     O
                                              A U  I  A      M                                                  EA U
                                              N R  T  Z      A                                                  QR R
                                              I I  I  A      R                                                  UE C
                                              T E  E  R      Y                                                  PA E
                                              Y S  S  D
  DATE       LOCATION    MATERIAL   CLASS               DMG$ CAUSE  2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
1. 1/30/72  NEWTOWN ,PA  NAPTHALEN-F   BP  0E0U 0  0 99  0E9 OTHER  PRNSLL ERR                                4 03 3
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                      NAVANE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/ 9/71 KANAWHAR,WV NAVANE       UN 38E2L  0  0  4  0E9 TS FL UNKNOWN                          PIPES    0 02 2
                      NEMATICIDAL CONCENTRATE SPILLS---SYN.--EMULSIFIABLE NEMATICIDAL CONC.
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/17/71 RICHWOOD,KY EMUL-NEMATI  BP 11E1L  0  0  99 0E9 RP-NT SHRP OBJ   IMP LDG               STL DRUM 0 02 1
                      NEOSOL SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 5/72 BELCAMP ,MD NEOSOL        FL 0E0U  0  0  99 0E0 OVRFW MECH FAIL                        DIP TANK 0 04 3
                      NICOTINE LIQUID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/28/72 RICHFILD,OH NICOTINE-L   BP  4E0L  0  0  1 10E1 OTHER UNKNOWN                          STL PAIL 0 02 1
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                        NILVERM SPILLS
                                                  F
                                                  A
                                               I  T           P                                                 O
                                          Q    N  A           R                                                 P S
                                          U    J  L  H        I                                                   O
                                          A    U  I  A        M                                                EA U
                                          N    R  T  Z        A                                                QR R
                                          I    I  I  A        R                                                UE C
                                          T    E  E  R        Y                                                PA E
                                          Y    S  S  D
   DATE     LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 6/ 8/71 OKLAH-CI,OK NILVERM      BP 57ECL  0  0  1   0E9 RP-NT MTRL DFCT                        STL DRUM 0 02 1

                        NITRIC ACID SPILLS
                                                  F
                                                  A
                                               I  T           P                                                 O
                                          Q    N  A           R                                                 P S
                                          U    J  L  H        I                                                   O
                                          A    U  I  A        M                                                EA U
                                          N    R  T  Z        A                                                QR R
                                          I    I  I  A        R                                                UE C
                                          T    E  E  R        Y                                                PA E
                                          Y    S  S  D
   DATE     LOCATION    MATERIAL   CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 1/30/72 NEWTOWN ,PA NITRIC-ACID  CL  0E0U  0  0 99   0E9 OTHER PRNSLL ERR FIRE                           4 03 3
 2. 2/28/71 PRVDENCE,RI NITRIC-ACID  CL  0ECU  0  0  9   0E0 OTHER UNKNOWN                          DIP TANK 0 04 3
 3. 8/19/71 DUNBAR  ,WV NITRIC-ACID  CL 19E0L  1  0  1  50E0 RP-NT DROPPED                          GLS CRBY 0 91 1
 4. 9/ 9/71 S-HAVEN ,MI NITRIC-ACID  CL 28E1L  0  0  4  20E2 OVRFW GAU MS/DFC                       PRTBL TK 0 01 1
 5.12/ 6/71 ATHENS  ,NY NITRIC-ACID  CL  8E0L  0  0  1  15E3 RP-TK UNKNOWN    CLS&OVRTN  RDWY CONDS TK TRLR  0 02 1
 6. 1/14/72 CINCINAT,OH NITRIC-ACID  CL 30E3L  0  0 10   0E9 RP-TK UNKNOWN                          TK CR RR 0 02 1
 7. 3/14/72 BRYAN   ,OH NITRIC-ACID  CL 45ECK  0  0  1   0E9 OVRFW GAU MS/DFC                       STO TANK 0 01 1
 8. 5/29/72 PHILADEL,PA NITRIC-ACID  CL 52E3K  0  0 10  80E1 RP-TK SHRP OBJ   DRLMENT    UNKNOWN             1 02 1
 9. 5/29/72 ASHMORE ,IL NITPIC-ACID  CL 19E3L 11  0  9   0E9 RP-TK UNKNOWN    DRLMENT               TK CR RR 0 02 6
10. 7/24/72 WILDWOOD,FL NITRIC-ACID  CL 27E2L  0  0  2  20E1 TS FL VALVE BKN                        TK TRLR  0 51 1
11. 9/20/72 JCT-CITY,AR NITRIC-ACID  CL 19E3L  0  0  4  30E2 RP-TK CONTR FLRE MTRL DFCT             TK TRLR  0 52 1
12. 1/ 7/73 DESPL-RI,IL NITRIC-ACID  CL 14E4L  0  0 10   0E9 RP-TK MTRL DFCT                        STO TANK 1 03 2
13. 2/22/73 MIDLAND ,PA NITRIC-ACID  CL 19E0L  0  0  4   0E9 OVRFW OPN VALVE  PRNSLL ERR            TK TRLR  0 01 1
14. 3/ 8/73 SHEFIELD,AL NITRIC-ACID  CL 14E0L  0  0  1  85E0 RP-NT CONTR FLRE DROPPED               GBTL/CTN 0 01 1
15. 3/26/73 RIVERSID,AL NITRIC-ACID  CL 11E2K  0  0  6  25E0 RP-TK LKG CVR    OVRTURN               TK TRLR  0 02 1
16. 4/13/73 PONTOTOC,MS NITRIC-ACID  CL 38E1L  0  0  4  50E0 OVRFW UNKNOWN                          STO TANK 0 01 1
17. 5/17/73 BALTIMOR,MD NITRIC-ACID  CL 27E1L  0  0  4   0E9 RP-NT CONTR FLRE DROPPED               STL DRUM 0 01 1
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                      NITRO BENZENE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE      LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/14/71 JAKSNVIL,FL NITROBENZEN  BP 56F0L  0  0  5 50E0 RP-NT SHRP OBJ                         STL DRUM 0 01 1
2. 2/12/72 AKRON   ,OH NITROBENZEN  BP 15F3L  0  0  9 20E3 RP-TK CONTR FLRE UNKNOWN               TK CR RR 0 02 1
3.12/11/72 TONAWNDA,NY NITROBENZEN  BP 19E0L  0  0  3  5E0 RP-TK LSE CP,CVR                       TK TRLR  0 02 1
                      NITRO CELLULOSE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        4     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE      LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/24/72 FRST VEW,IL NITROCELULO  FL 22E3L  0  0  4  0E0 RP-NT EXPLCSION  FIRE       ELCT ARCNG STL DRUM 2 03 3
                      NITRO CHLORO TOLUENES SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE      LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/12/71 SPRTNBRG,SC NITROCHLOTO  UN 19E2L  0  0 99  0E0 RP-TK EXPLOSION  CHMCAL RE  VALVE SHUT CKG/MX T 0 03 3
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                     NITROGEN,LIQUID FERT. SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                        Q      N  A           R                                                P S
                                        U      J  L  H        I                                                  O
                                        A      U  I  A        M                                               EA U
                                        N      R  T  Z        A                                               QR R
                                        I      I  I  A        R                                               UE C
                                        T      E  E  R        Y                                               PA E
                                        Y      S  S  D
                                                       DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE     LOCATION   MATERIAL  CLASS
1. 3/19/73 PENCE    ,KS NITROGEN-LI  UN 45E1K  0  0 99 28E1 TS FL UNKNOWN                         TK TRLR   0 51 1
2. 5/12/73 HAMPSTED,MD  NITROGEN-LI  UN  0ECU  0  0 99  0E9 RP-TK CONTR FLRE CLS&OVRTN            TK TRLR   0 02 5
3. 5/22/73 WARWICK  ,PA NITROGEN-LI  UN 60E2L  0  0 99  0E9 RP-TK CONTR FLRE OVRTURN              TK TRLR   0 02 2

                     NITRO PHENOL SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                        Q      N  A           R                                                P S
                                        U      J  L  H        I                                                  O
                                        A      U  I  A        M                                               EA U
                                        N      R  T  Z        A                                               QR R
                                        I      I  I  A        R                                               UE C
                                        T      E  E  R        Y                                               PA E
                                        Y      S  S  D
                                                       DMG$ CAUSE 2ND CAUSE  3RC CAUSE  4TH CAUSE CONTAINER M
  DATE     LOCATION   MATERIAL  CLASS
1. 7/19/71 SIGANAW  ,MI NITRO-PHENO  BP 14E1L  0  0  3 10E2 RP-NT CONTR FLRE MTRL DFCT            STL DRUM  0 02 1
2. 9/26/72 BALTIMOR,MD  NITRO-PHENO  BP  0ECU  0  0 99  0E9 OVRFW SPKLRS DSC                      TRENCH    1195 5

                      NUODEX PMA18 SPILLS---SYN--PHENYL-MERCURY ACETATE
                                                  F
                                                  A
                                               I  T           P                                                O
                                        Q      N  A           R                                                P S
                                        U      J  L  H        I                                                  O
                                        A      U  I  A        M                                               EA U
                                        N      R  T  Z        A                                               QR R
                                        I      I  I  A        R                                               UE C
                                        T      E  E  R        Y                                               PA E
                                        Y      S  S  D
                                                       DMG$ CAUSE 2ND CAUSF  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE     LOCATION   MATERIAL  CLASS
1.11/ 4/71 99       ,   NUODEX-PMA   BP  1E0L  0  0  1  0E9 RP-NT UNKNOWN                         STL DRUM  0 01 3
2. 7/30/71 GIBSONIA,PA  PHENYL-MERC  BP 19E0L  1  0  1 50E0 RP-NT FORKLIFT                        STL DRUM  0 01 1
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                        ORGANIC AMMONIA COMP. SPILLS
                                                   F
                                                   A
                                                I  T           P
                                            Q   N  A           R                                                O
                                            U   J  L  H        I                                                P  S
                                            A   U  I  A        M                                                   O
                                            N   R  T  Z        A                                                EA U
                                            I   I  I  A        R                                                QR R
                                            T   E  E  R        Y                                                UE C
                                            Y   S  S  D                                                         PA E
    DATE    LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
 1. 5/13/73 GULFSUMT,NY ORG-AMON-CO  FL  76E2L  0  0  5  0E9 RP-TK CONTR FLRE DRLMENT                TK CR RR 0 02 1

                           ORGANIC PHOSPHATE SPILLS---SYN.--PHOSPHATE COMPCUNC
                                                   F
                                                   A
                                                I  T           P
                                            Q   N  A           R                                                O
                                            U   J  L  H        I                                                P  S
                                            A   U  I  A        M                                                   O
                                            N   R  T  Z        A                                                EA U
                                            I   I  I  A        R                                                QR R
                                            T   E  E  R        Y                                                UE C
                                            Y   S  S  D                                                         PA E
    DATE    LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
 1. 2/23/71 ATLANTA ,GA ORGAN-PHOSP  BP   9ECK  0  0  1 30E1 RP-NT CONTR FLRE IMP LDG                PA BAG   0 82 1
 2. 2/25/71 KANS-CTY,KA ORGAN-PHOSP  BP   3ECK  0  0  1 18E0 RP-NT SHRP OBJ                          PA BAG   0 02 1
 3. 2/25/71 HASTINGS,NB ORGAN-PHOSP  BP  11E1K  0  0  2 90E0 RP-NT SHRP OBJ                          PA BAG   0 02 1
 4. 3/ 2/71 KLAMATHF,OR ORGAN-PHOSP  BP  32E1K  0  0  4 20E1 RP-NT CONTR FLRE WET PACKNG  PRNSLL ERR PA BAG   0 02 1
 5. 3/22/71 TAMPA   ,FL ORGAN-PHOSP  BP   1ECL  0  0  1  0E9 RP-NT LSE CP,CVR DROPPED     PRNSLL ERR GLS BTLS 0 01 1
 6. 3/23/71 HASTINGS,NB ORGAN-PHOSP  BP  23E0K  0  0  1 18E0 RP-NT CONTR FLRE UNKNOWN                PA BAG   0 02 1
 7. 3/26/71 PORTLAND,99 ORGAN-PHOSP  BP   0E0U  0  0 99  0E9 OTHER UNKNOWN                           STL PAIL 0 02 1
 8. 4/ 1/71 MOSES-LK,WA ORGAN-PHOSP  BP  94E0L  0  0  2  0E9 RP-NT SHRP OBJ                          STL DRUM 0 82 1
 9. 4/ 9/71 PHOENIX ,AZ ORGAN-PHOSP  BP   1E0L  0  0  1  0E9 RP-NT DROPPED    CLS&OVRTN              STL PAIL 0 01 1
10. 4/29/71 SPOKANE ,WA ORGAN-PHOSP  BP   7E0K  0  0  1 30E0 RP-NT SHRP OBJ   IMP LDG                PA BAG   0 02 1
11. 5/17/71 ATLANTA ,GA ORGAN-PHOSP  BP   2E0L  0  0  1  0E9 RP-NT SHRP OBJ                          STL DRUM 0 01 1
12. 5/24/71 SALT-LK ,UT ORGAN-PHOSP  BP   4E0L  0  0  1 25E1 RP-NT CONTR FLRE UNKNOWN                STL PAIL 0 02 1
13. 5/25/71 KANSAS-C,MO ORGAN-PHOSP  BP   6E0L  0  0  1 75E1 RP-NT CONTR FLRE                        STL DRUM 0 02 1
14. 6/ 1/71 PHOENIX ,AZ ORGAN-PHOSP  BP   2E0L  0  0  1 50E0 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1
15. 7/ 6/71 LUBBOCK ,TX ORGAN-PHOSP  BP  19E0L  1  0  1 50E0 RP-NT BODY FLRE  IMP LDG                STL DRUM 0 02 1
16. 7/ 6/71 LUBDOCK ,TX ORGAN-PHOSP  BP    0E0  0  0 99  0E9 RP-NT CONTR FLRE UNKNOWN                PA BAG   0 02 1
17. 7/ 8/71 W-BORO  ,MA ORGAN-PHOSP  BP   1E0L  0  0  1 77E2 RP-NT SHRP OBJ   IMP LDG                STL PAIL 0 02 1
18. 7/15/71 KENEWICK,WA ORGAN-PHOSP  BP    1E2  0  0  1  0E9 RP-NT CONTR FLRE UNKNOWN                PA BAG   0 02 1
19. 8/ 6/71 VERNON  ,CA ORGAN-PHOSP  BP   3E0L  0  0  1 20E0 RP-NT CONTR FLRE MTRL DFCT              STL PAIL 0 02 1
20. 8/ 9/71 DENVER  ,CO ORGAN-PHOSP  BP  10E1L  0  0  2 10E2 RP-NT SHRP OBJ   DROPPED                STL DRUM 0351 1
21.10/26/71 PHOENIX ,AZ ORGAN-PHOSP  BP   7ECK  0  0  1 75E0 RP-NT SHRP OBJ   DROPPED                PA BAG   0 01 1
22.12/16/71 DALLAS  ,TX ORGAN-PHOSP  BP  23E1K  0  0  3 60E1 RP-NT LKG CVR                           STL PAIL 0 02 1
23. 1/11/72 ATLANTA ,GA ORGAN-PHOSP  BP   1ECL  0  1  1  0E9 RP-NT CONTR FLRE DROPPED                GBTL/CTN 0 02 1
24. 2/25/72 CRESTON ,GA ORGAN-PHOSP  BP  28E1L  0  0  4 30E2 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
25. 2/28/72 LOUISVLE,KY ORGAN-PHOSP  BP  19E0L  0  0  1  0E9 RP-NT CONTR FLRE MTRL DFCT              STL PAIL 0 00 1
26. 2/28/72 SEATLE  ,WA ORGAN-PHOSP  BP   1E0K  0  0  1 10E1 RP-NT SHRP OBJ                          PA BAG   0 92 1
27. 3/ 2/72 INDINPLS,IN ORGAN-PHOSP  BP   4ECL  0  0  1  0E9 RP-NT CONTR FLRE DROPPED                         0 01 1
28. 3/ 2/72 MOSES-LK,WA ORGAN-PHOSP  BP   8ECL  0  0  1  0E9 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1
29. 3/13/72 ABERDEEN,MD ORGAN-PHOSP  BP  19E0L  0  0  3  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
30. 3/23/72 FRESNO  ,CA ORGAN-PHOSP  BP   1E0K  0  0  1  0E9 RP-NT LKG CVR    OVRPRES                STL PAIL 0 02 1
31. 4/19/72 IRVING  ,TX ORGAN-PHOSP  BP  19ECL  0  0  1 11E0 RP-NT SHRP OBJ   DROPPED                STL PAIL 0 01 1
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32. 4/27/72 ROSEVILL,MN ORGAN-PHOSP  BP  1E0K  0  0  1  20E1 OTHER UNKNOWN                              PA BAG   0 02 1
33. 5/24/72 OMAHA   ,NB ORGAN-PHOSP  BP  8E0L  0  0  1   0E9 RP-NT LSE CP,CVR                           STL DRUM 0 02 1
34. 6/ 8/72 RICHMOND,VA ORGAN-PHOSP  BP  9E0K  0  0  1   0E9 RP-NT CONTR FLRE UNKNOWN                   PA BAG   0 02 1
35. 6/29/72 PHOENIX ,AZ ORGAN-PHOSP  BP  4E0L  0  0  1  10E0 RP-NT FORKLIFT   PRNSLL ERR                STL DRUM 0 51 1
36. 7/ 3/72 FRESNO  ,CA ORGAN-PHOSP  BP  4E0L  0  0  1  15E1 RP-NT CONTR FLRE UNKNOWN                   STL DRUM 0 02 1
37. 7/11/72 PHOENIX ,AZ ORGAN-PHOSP  BP  1E0K  0  0  1  59E0 RP-NT SHRP OBJ   UNKNOWN                   PA BAG   0 02 1
38. 7/26/72 CAMPHILL,PA ORGAN-PHOSP  BP  7ECL  0  0  1   0E9 RP-NT CONTR FLRE IMP LDG                   STL PAIL 0 02 1
39. 8/ 1/72 TAMPA   ,FL ORGAN-PHOSP  BP  4ECL  0  0  1   0E0 RP-NT CONTR FLRE IMP LDG                   GBTL/CTN 0 02 1
40. 8/14/72 S.BEND  ,IN ORGAN-PHOSP  BP  4E0L  0  0  1   0E0 RP-NT CONTR FLRE MTRL DFCT                 STL PAIL 0 02 1
41. 8/30/72 PORTLAND,OR ORGAN-PHOSP  BP  1ECL  0  0  1  10E1 RP-NT CONTR FLRE MTRL DFCT                 STL DRUM 0 02 1
42. 1/18/73 FRESNO  ,CA ORGAN-PHOSP  BP 19E0L  0  0  1  10E1 RP-NT SHRP OBJ   UNKNOWN                   STL PAIL 0 02 1
43. 4/ 3/73 LEXNGTON,KY ORGAN-PHOSP  BP  1E0K  0  0  1  10E0 RP-NT CONTR FLRE IMP LDG                   PA BAG   0 02 1
44. 4/ 5/73 BOISE   ,ID ORGAN-PHOSP  BP  2ECL  0  0  1  55E0 RP-NT CONTR FLRE UNKNOWN                   STL PAIL 0 01 1
45. 4/17/73 99      ,99 ORGAN-PHOSP  BP  2E0K  0  0  1  10E0 RP-NT CONTR FLRE DROPPED                   PA BAG   0 01 1
46. 4/24/73 99      ,MI ORGAN-PHOSP  BP  4ECL  0  0  1   0E9 RP-NT SHRP OBJ   UNKNOWN                   GLS BTLS 0 02 1
47. 4/27/73 PORTLAND,OR ORGAN-PHOSP  BP  1ECL  0  0  1  35E1 RP-NT MTRL DFCT                            STL PAIL 0 02 1
48. 5/15/73 OMAHA   ,NB ORGAN-PHOSP  BP  2ECK  0  0  1  13E1 RP-NT CONTR FLRE WET PACKNG                BGS/CTN  0 02 1
49. 6/ 5/73 BROWLEY ,CA ORGAN-PHOSP  BP  4E0L  0  0  1  60E1 RP-NT MTRL DFCT                            STL DRUM 0 02 1
50. 6/18/73 PORTLAND,OR ORGAN-PHOSP  BP  1E0L  0  0  1  50E1 RP-NT CONTR FLRE IMP LDG                            0 02 1
51. 2/17/72 SIMCO   ,ID PHOSPHATE-C  BP 21E1L  0  0  3  13E2 RP-NT CONTR FLRE UNKNOWN                   STL DRUM 0 02 1
52.12/ 3/72 FT-MEADE,FL PHOSPHATE-C  BP 76E8L  0  0 10   0E9 OVRFW CONTR FLRE                           SETLG PD 0 05 6

                      ORTHO-TOLUIDENE SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                         Q     N  A           R                                                P S
                                         U     J  L  H        I                                                  O
                                         A     U  I  A        M                                               EA U
                                         N     R  T  Z        A                                               QR R
                                         I     I  I  A        R                                               UE C
                                         T     E  E  R        Y                                               PA E
                                         Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMGS CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/13/72 DUFF    ,TN ORTHO-TOLUI  FL 76E1L  0  0  2   0E9 RP-TK CONTR FLRE DRLMENT    UNKNOWN     TK CR RR 0 02 2

                      OXYBISPEROLARSINE SPILLS
                                                  F
                                                  A
                                               I  T           P                                                O
                                         Q     N  A           R                                                P S
                                         U     J  L  H        I                                                  O
                                         A     U  I  A        M                                               EA U
                                         N     R  T  Z        A                                               QR R
                                         I     I  I  A        R                                               UE C
                                         T     E  E  R        Y                                               PA E
                                         Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMGS CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/12/73 E-WOODBR,NJ OXYBISPEROL  BP  1E0K  1  0 99  10E1 RP-NT SHRP OBJ                          FBRE DRM 0 01 1
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PAINT THINNER SPILLS

DATE	LOCATION	MATERIAL	CLASS	QUANITY	INJURIES	FATALITIES	HAZARD	DMG$	PRIMARY CAUSE	2ND CAUSE	3RD CAUSE	4TH CAUSE	CONTAINER	M	OPEQUP AREA	SOURCE
1. 3/24/72	PHILADEL,PA	PAINT-THINR	FL	21E1L	0	0	1	0E0	OVRFW	OPN VALVE	PRNSLL ERR	FIRE	STL DRUM	0	03	3
2. 6/15/72	BALTIMOR,MD	PAINT-THINR	FL	76E2L	0	0	99	0E9	RP-TK	UNKNOWN			STO TANK	0	01	6
3. 6/15/72	BALTIMOR,MD	PAINT-THINR	FL	76E2L	0	0	3	0E9	RP-TK	UNKNOWN			STO TANK	0	03	6
4.10/ 9/72	GRNSBORO,NC	PAINT-THINR	FL	0E0U	0	0	99	0E0	RP-NT	SPKLRS DSC	FIRE	SPON COMB	STL DRUM	3	03	3
5.10/ 8/72	BRMNGHAM,AL	PAINT-THINR	FL	0ECU	0	0	99	0E0	RP-NT	EXPLOSION	FIRE	VANDALISM	STL PAIL	1	03	3
6. 8/11/72	CAMP HIL,IL	PAINT-THINR	FL	21E1L	0	0	1	0E9	RP-NT	FORKLIFT			STL DRUM	0	01	1

PAINT, WOOD STAIN, ETC. SPILLS

DATE	LOCATION	MATERIAL	CLASS	QUANITY	INJURIES	FATALITIES	HAZARD	DMG$	PRIMARY CAUSE	2ND CAUSE	3RD CAUSE	4TH CAUSE	CONTAINER	M	OPEQUP AREA	SOURCE
1. 1/16/69	HAEHL-CR,CA	PAINT	FL	0E0U	0	0	99	0E9	OTHER	UNKNOWN				0	06	6
2. 1/21/70	DAVENPRT,IA	PAINT	FL	0ECU	0	0	99	0E9	OTHER	SPON COMB	SPKLRS DSC			0	04	3
3. 3/25/70	PHILADEL,PA	PAINT	FL	21E1L	0	0	99	0E0	TS FL	RPTRD PIPE			PIPES	0	04	3
4. 4/21/71	ANOPLS-H,MD	PAINT	FL	0ECU	0	0	99	0E9	OTHER	INTNL REL				0	00	5
-5. 6/14/71	FT SMITH,AR	PAINT	FL	70E2L	0	0	99	0E0	OVRFW	SPKLRS DSC	FIRE	ELCT ARCNG	DIP TANK	0	04	3
6.11/13/71	E ST LUS,IL	PAINT	FL	71E2L	0	0	99	0E0	OVRFW	OPN VALVE	INTNL REL	VANDALISM	STO TANK	1	03	3
7. 2/10/72	MELROSEP,IL	PAINT	FL	11E2L	0	0	99	0E9	OVRFW	UNKNOWN			STO TANK	0	04	6
8. 2/10/72	PORTLAND,OR	PAINT	FL	0E0U	0	0	99	0E9	OTHER	UNKNOWN				0	04	6
9. 8/ 9/72	DANVILLE,IL	PAINT	FL	21E1L	0	0	99	0E9	RP-NT	FORKLIFT			STL DRUM	0	01	1
10. 8/26/72	CAMP HIL,PA	PAINT	FL	95E0L	0	0	99	0E9	RP-NT	SHRP OBJ			STL DRUM	0	02	1
11.10/ 8/72	BRMNGHAM,AL	PAINT	FL	0E0U	0	0	99	0E0	RP-NT	EXPLOSION	FIRE	VANDALISM	STL PAIL	1	03	3
12. 3/ 1/73	HARVEY ,LA	PAINT	FL	21E1L	0	0	99	0E9	TS FL	HSE,CPL FA	UNKNOWN		STL DRUM	0	04	3
13. 5/ 6/73	TWO RVRS,WI	PAINT	FL	0E0U	0	0	99	0E0	TS FL	RPTRD PIPE	OVRPRES	FIRE	PIPES	0	04	3
14. 5/ 4/73	GOLDSBRO,NC	WOOD-STAIN	UN	12E2K	0	0	99	45E1	TS FL	HSE,CPL FA	PRNSLL ERR		TK TRLR	0	01	1

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                         PARAFORMALDEHYDE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                 O
                                         Q    N  A         R                                                 P  S
                                         U    J  L  H      I                                                    O
                                         A    U  I  A      M                                                 EA U
                                         N    R  T  Z      A                                                 QR R
                                         I    I  I  A      R                                                 UE C
                                         T    E  E  R      Y                                                 PA E
                                         Y    S  S  D
   DATE     LOCATION    MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/13/73 PORTALES,NM PARA-FORMAL  FL 57E1K  0  0  2  0E9 RP-TK UNKNOWN     OVRTURN              BK TRLR  0 02 2

                         SODIUM PENTACHLOROPHENATE SPILLS---SYN.--PENTACHLOROPHENOL
                                                 F
                                                 A
                                              I  T         P                                                 O
                                         Q    N  A         R                                                 P  S
                                         U    J  L  H      I                                                    O
                                         A    U  I  A      M                                                 EA U
                                         N    R  T  Z      A                                                 QR R
                                         I    I  I  A      R                                                 UE C
                                         T    E  E  R      Y                                                 PA E
                                         Y    S  S  D
   DATE     LOCATION    MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/26/70         ,OH PENTACHLORO  BP 29E3L  0  0 10 20E3 RP-TK MTRL DFCT  LKG CVR              STO TANK 0 03 1
2.10/27/70         ,OH PENTACHLORO  BP 76E1L  0  0  5 20E3 OTHER INTNL REL   PRNSLL ERR           PRTBL TK 0 03 1
3.10/29/70         ,OH PENTACHLORO  BP 15E2L  0  0  6 20E3 TS FL HSE,CPL FA  OVRPRES              STO TANK 0 03 1
4. 5/27/71 PORTLAND,OR PENTACHLORO  BP  1ECL  0  0  1  0E9 OVRFW LSE CP,CVR                       STL PAIL 0 02 1
5. 2/23/72 POCATELO,ID PENTACHLORO  BP  1ECL  0  0  1 14E1 RP-NT CONTR FLRE O V R F W             STL PAIL 0 02 1

                         PERACETIC ACID SPILLS
                                                 F
                                                 A
                                              I  T         P                                                 O
                                         Q    N  A         R                                                 P  S
                                         U    J  L  H      I                                                    O
                                         A    U  I  A      M                                                 EA U
                                         N    R  T  Z      A                                                 QR R
                                         I    I  I  A      R                                                 UE C
                                         T    E  E  R      Y                                                 PA E
                                         Y    S  S  D
   DATE     LOCATION    MATERIAL   CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/26/72 DALLAS  ,TX PERACETIC-A  OX 57ECL  0  0  1 50E2 RP-NT LSE CP,CVR                       STL DRUM 0 02 1
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                     PERCHLORIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                               O
                                        U     J  L  H        I                                               P S
                                        A     U  I  A        M                                                 O
                                        N     R  T  Z        A                                              EA U
                                        I     I  I  A        R                                              QR R
                                        T     E  E  R        Y                                              UE C
                                        Y     S  S  D                                                       PA E
  DATE     LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/29/73 NEW-ORLN,LA PERCHLORIC  CL 50E0K   0  0 99 11E1 RP-NT CONTR FLRE IMP LOG              GBTL/CTN 0 01 1
                      PERMANGANATE SPILLS---SYN.--POTASSIUM PERMANGANATE
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                               O
                                        U     J  L  H        I                                               P S
                                        A     U  I  A        M                                                 O
                                        N     R  T  Z        A                                              EA U
                                        I     I  I  A        R                                              QR R
                                        T     E  E  R        Y                                              UE C
                                        Y     S  S  D                                                       PA E
  DATE     LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/21/71 ARUNDL-B,MD PERMANGANAT  OX  0E0U  0  0 99  0E9 OTHER UNKNOWN                         SETLG PD 0 05 5
                      PEROXIDES - ORGANIC SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                               O
                                        U     J  L  H        I                                               P S
                                        A     U  I  A        M                                                 O
                                        N     R  T  Z        A                                              EA U
                                        I     I  I  A        R                                              QR R
                                        T     E  E  R        Y                                              UE C
                                        Y     S  S  D                                                       PA E
  DATE     LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/21/71 KEARNY  ,NJ PEROXIDES-0  FL 11E0L  0  0 '1  0E9 RP-NT SHRP OBJ   UNKNOWN              PLS PAIL 0 02 1
                      PHENOLSULFONIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                               O
                                        U     J  L  H        I                                               P S
                                        A     U  I  A        M                                                 O
                                        N     R  T  Z        A                                              EA U
                                        I     I  I  A        R                                              QR R
                                        T     E  E  R        Y                                              UE C
                                        Y     S  S  D                                                       PA E
  DATE     LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/10/71 YORKVILL,OH PHENOL-SULF  CM  0E0U  0  0 99  0E0 OTHER UNKNOWN                                  0 06 2
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                        PHOSDRIN SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/19/71 PHOENIX ,AZ PHOSDRIN     BP  1ECK  0  0  1  0E9 RP-NT CONTR FLRE                                0 01 1
2. 4/ 6/71 SAN-JOSE,CA PHOSDRIN     BP  4ECL  0  0  1 10E1 RP-NT MTRL DFCT  IMP LDG               STL PAIL 0 02 1
3. 1/25/72 ORLANDO ,FL PHOSDRIN     BP  1ECL  0  0  1  0E9 RP-NT SHRP OBJ   IMP LDG               STL DRUM 0 02 1
                        PHOSPHENE OXIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 4/73 LOGAN   ,NM PHOSPHENE-O  BP 38E0L  0  0 99 0E9 RP-NT FORKLIFT   PRNSLL ERR            STL DRUM 0 01 1
2. 6/13/73 LOGAN   ,NM PHOSPHENE-O  BP 26E1K  3  0 99 0E9 RP-TK CONTR FLRE UNKNOWN               BK TRLR  0 02 2
                        PHOSPHORIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/13/73 GEISMER ,LA PHOSPH-ACID  CL  0E0U  0  0 99 0E9 TS FL UNKNOWN                                   0 01 2
2.10/ 9/72 GRNSBORO,NC PHOSPHACID   CL  0E0U  0  0 99 0E0 RP-NT SPKLRS DSC FIRE       SPON COMB  STL DRUM 3 03 3
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                      PHOSPHORUS SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/23/72 VICTOR  ,FL PHOSPHORUS   FS  0E0U  0  0 99  0E9 TS FL HSE,CPL FA FIRE                           1 04 3
2.11/28/72 TRUMBULL,OH PHOSPHORUS   FS  0ECU  0  0 99  0E9 RP-TK CONTR FLRE DRLMENT               BK CR RR 0 02 6
                      PHOSPHORUS OXYCHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/18/71 ETNA    ,PA PHOS-OXYCHL  CL 38E1L  2  0  1  0E9 RP-NT MTRL DFCT                        STL DRUM 0 02 1
                      PHOSPHORIC ANHYDRIDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/ 9/72 CEDARCTY,UT PHOS-ANHYDR  UN 21E2L  0  0  1 51E2 RP-NT CONTR FLRE COLLSN                STL DRUM 0 00 1
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                         PHOSPHORUS PENTA SULFDE SPILLS
                                                 F
                                                 A
                                              I  T          P                                              O
                                         Q    N  A          R                                              P  S
                                         U    J  L  H       I                                                 O
                                         A    U  I  A       M                                              EA U
                                         N    R  T  Z       A                                              QR R
                                         I    I  I  A       R                                              UE C
                                         T    E  E  R       Y                                              PA E
                                         Y    S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/ 9/71 CHICAGO ,IL PHOS-PENTAS  FS 45E0K  0  0  1 14E1 RP-NT SHRP OBJ                          STL PAIL 0 02 1
2. 5/16/72 W-LAFAYT,OH PHOS-PENTAS  FS 51E3K  0  0 10  0E9 RP-TK FIRE       UNKNOWN               BK CR RR 0 02 6

                         PHOSPHORUS TRICHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T          P                                              O
                                         Q    N  A          R                                              P  S
                                         U    J  L  H       I                                                 O
                                         A    U  I  A       M                                              EA U
                                         N    R  T  Z       A                                              QR R
                                         I    I  I  A       R                                              UE C
                                         T    E  E  R       Y                                              PA E
                                         Y    S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/15/71 RICHFILD,OH PHOS-TRICHL  CL  5E0K  0  0  1  0E9 RP-NT LSE CP,CVR                       STL DRUM 0 01 1
2. 8/25/72 DANVILLE,KY PHOS-TRICHL  CL 38E0L  0  0  1  0E5 RP-NT SHRP OBJ   IMP LDG               STL DRUM 0 01 1

                         PLASTICIZER SPILLS
                                                 F
                                                 A
                                              I  T          P                                              O
                                         Q    N  A          R                                              P  S
                                         U    J  L  H       I                                                 O
                                         A    U  I  A       M                                              EA U
                                         N    R  T  Z       A                                              QR R
                                         I    I  I  A       R                                              UE C
                                         T    E  E  R       Y                                              PA E
                                         Y    S  S  D
  DATE      LOCATION     MATERIAL  CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/26/72 WHITE-HL,PA PLASTICIZER  FL 19E0L  0  0  1  0E9 OVRFW UNKNOWN                          STO TANK 0 01 6
2. 5/24/72 FRST VEW,IL PLASTICIZER  FL 22E3L  0  0  4  0E0 RP-NT EXPLOSION  FIRE       ELCT ARCNG STL DRUM 2 03 3
3.12/ 0/72 99      ,WV PLASTICIZER  FL 19E2L  0  0  1  0E9 OVRFW OPN VALVE  PRNSLL ERR                     0 04 6
4.12/18/72 INSTITUT,WV PLASTICIZER  FL 19E2L  0  0  1  0E9 OVRFW PRNSLL ERR                                0 04 6
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                      POISON-N.O.I. SPILLS
                                                 F
                                                 A
                                        Q     I  T            P
                                        U     N  A            R                                                O
                                        A     J  L  H         I                                                P S
                                        N     U  I  A         M                                                  O
                                        T     R  T  Z         A                                               EA U
                                        I     I  I  A         R                                               QR R
                                        T     E  E  R         Y                                               UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/20/71 FAYETTVL,NC POISON-NOI   BP  0E0   0  0 99   0E9 RP-NT CONTR FLRE DROPPED               PLS PAIL 0 02 1
2. 6/ 7/71 PORTLAND,OR POISON-NOI   BP  1E0L  0  0  1   0E9 RP-NT LSE CP,CVR                                0 02 1
3. 7/ 8/71 PORTLAND,OR POISON-NCI   BP  1E0L  0  0  1  30E1 RP-NT CONTR FLRE UNKNOWN               STL DRUM 0 02 1
4. 8/31/71 ALBANY  ,GA POISON-NOI   BP 38E0L  0  0  4  10E1 RP-NT CONTR FLRE DROPPED    PRNSLL ERR STL PAIL 0 51 1
5. 9/29/71 NEWBURGH,NY POISON-222F  BP 19E0L  0  0 99   0E9 RP-NT CONTR FLRE IMP LDG               STL DRUM 0 02 1
6. 5/13/72 CAMP-HIL,PA POISON-NGI   BP 18E0L  0  0 99   0E9 RP-NT CONTR FLRE UNKNOWN               STL PAIL 0 02 1
7. 8/ 4/72 LOUIS-UL,KY POISON-NOI   BP  1E0L  0  0  1   0E9 RP-NT SHRP OBJ   UNKNOWN               STL DRUM 0 02 1
8.10/14/72 COLUMBUS,OH POISON NOI   BP  0E0U  0  0 99   0E9 RP-NT MTRL DFCT

                      POLYVINYL PYRROLIDONE SPILLS
                                                 F
                                                 A
                                        Q     I  T            P
                                        U     N  A            R                                                O
                                        A     J  L  H         I                                                P S
                                        N     U  I  A         M                                                  O
                                        T     R  T  Z         A                                               EA U
                                        I     I  I  A         R                                               QR R
                                        T     E  E  R         Y                                               UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/13/72 TORONTO   , POLY-V-PYRO  UN  0E0U  0  0 99   0E9 RP-NT CONTR FLRE FIRE       VANDALISM  CDBD DRM 3 03 3

                      POLY-STYRENE SPILLS---SYN.--STYRENE---STYRENE MONOMER--POLY-STYRENE MONO
                                                 F
                                                 A
                                        Q     I  T            P
                                        U     N  A            R                                                O
                                        A     J  L  H         I                                                P S
                                        N     U  I  A         M                                                  O
                                        T     R  T  Z         A                                               EA U
                                        I     I  I  A         R                                               QR R
                                        T     E  E  R         Y                                               UE C
                                        Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 5/11/72 GALES-FR,CT STYRENE      BP 11E1L  0  0  1   0E9 RP-TK CONTR FLRE UNKNOWN               BARGE TK 0 02 6
2. 3/17/72 MISSIPPI,99 STYRENE      BP  0E0U  0  0 99   0E9 RP-TK CLS&OVRTN                        BARGE TK 0 02 2
3. 1/ 9/72 SURGOINS,TN POLYSTYRENE  BP  0E0U  0  0 99   0E9 OTHER SPKLRS DSC NMRL OP    FIRE                2 04 3
4.11/15/71 LG BEACH,CA POLYSTY MON  BP 11E3L  0  0  3   0E0 RP-TK OVRPRES    EXCESS TMP CNTRL INOP CKG/MX T 0 04 3
5. 5/ 5/71 INDUSTRY,CA STYRENE-MON  BP  0E0U  0  0 99   0E0 RP-TK RLF VAL OP OVRPRES    MECH FAIL  CKG/MX T 1 04 3
6.12/ 1/72 SEA-DRFT,TX STYRENE-MON  BP 15E1L  0  0  1   0E0 OTHER UNKNOWN                          BARGE TK 0 01 2
7.12/ 3/72 SEA-DRFT,TX STYRENE-MON  BP 38E0L  0  0  1   0E9 TS FL OPN VALVE  PRNSLL ERR                     0 01 2
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                    POTASSIUM CHLORIDE SPILLS
                                                   F
                                                   A
                                               I   T           P
                                        Q      N   A           R                                                O
                                        U      J   L  H        I                                                P S
                                        A      U   I  A        M                                                  O
                                        N      R   T  Z        A                                               EA U
                                        I      I   I  A        R                                               QR R
                                        T      E   E  R        Y                                               UE C
                                        Y      S   S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/16/72 TALORSUL,IL POT-CHLORID  UN  0E 0U  0   0 99  0E9 RP-NT CONTR FLRE DRLMENT               TK CR RR 0 02 6
                    PROPYLENE GLYCOL SPILLS
                                                   F
                                                   A
                                               I   T           P
                                        Q      N   A           R                                                O
                                        U      J   L  H        I                                                P S
                                        A      U   I  A        M                                                  O
                                        N      R   T  Z        A                                               EA U
                                        I      I   I  A        R                                               QR R
                                        T      E   E  R        Y                                               UE C
                                        Y      S   S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/19/71 99      ,CO PROP-GLYCOL  BP 68E0K   0   0  2 27E1 RP-NT UNKNOWN                          STL DRUM 1 02 1
2. 9/21/72         ,NJ PROP-GLYCOL  BP 27E3L   1   2 10 31E3 RP-TK CLS&OVRTN                        TK TRLR  0 02 1
3.12/13/72 IUKA    ,IL PROP-GLYCOL  BP  0E 0U  0   0 99  0E9 RP-TK CONTR FLRE DRLMENT               TK CR RR 1 02 6
                     PROPYLENE SPILLS
                                                   F
                                                   A
                                               I   T           P
                                        Q      N   A           R                                                O
                                        U      J   L  H        I                                                P S
                                        A      U   I  A        M                                                  O
                                        N      R   T  Z        A                                               EA U
                                        I      I   I  A        R                                               QR R
                                        T      E   E  R        Y                                               UE C
                                        Y      S   S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/22/72 ST LOUIS,IL PROPYLENE    UN 11E4L   0   0  5 25E3 RP-TK COLLSN                           TK CR RR 0 01 3
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                        PROTEIN FOAM SPILLS
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                  O
                                          U    J  L  H        I                                                  P  S
                                          A    U  I  A        M                                                     O
                                          N    R  T  Z        A                                                  EA U
                                          I    I  I  A        R                                                  QP R
                                          T    E  E  R        Y                                                  UE C
                                          Y    S  S  D                                                           PA E
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE  CONTAINER M
 1. 5/ 8/73 MARIETTA,GA PROTEIN-FOM  UN 13E2L  0  0 99  0E9 OVRFW SPKLPS DSC                         PIPES     0 04 2

                        RAFFINATE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                  O
                                          U    J  L  H        I                                                  P  S
                                          A    U  I  A        M                                                     O
                                          N    R  T  Z        A                                                  EA U
                                          I    I  I  A        R                                                  QR R
                                          T    E  E  R        Y                                                  UE C
                                          Y    S  S  D                                                           PA E
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE  CONTAINER M
 1.12/ 3/69 TALLABOA,PR RAFFINATE    UN 76E1L  0  0 99  0E0 OVRFW OPN VALVE   PRNSLL ERR             PIPES     0 04 3

                        RESIN SPILLS---VARIOUS INCLUDING PHENYL FORMALDEHYDE RESIN
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                  O
                                          U    J  L  H        I                                                  P  S
                                          A    U  I  A        M                                                     O
                                          N    R  T  Z        A                                                  EA U
                                          I    I  I  A        R                                                  QR R
                                          T    E  E  R        Y                                                  UE C
                                          Y    S  S  D                                                           PA E
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE  CONTAINER M
 1.12/22/71 NEWARK   ,OH PHN-FRM-RSN  FL 76E2L  0  0 99  0E9 TS FL HSE,CPL FA PRNSLL ERR                        0 03 6
 2. 1/ 1/70 PARK-FOS,IL RESIN-SOLUT  FL  0ECU  0  0 99  0E9 OVRFW UNKNOWN     FIRE                   STL DRUM  0 04 3
 3. 3/17/71 BETHLEHM,NY RESIN-SOLUT  FL  0ECU  0  0 99  0E9 RP-TK LKG CVR     EXPLOSION              IND MACH  0 04 3
 4. 2/14/72 CARTERET,NJ RESIN-SOLUT  FL 11E3L  0  0 99 37E2 RP-TK SHRP OBJ    COLLSN                 TK TRLR   0 02 1
 5. 5/14/72 STOCKHLM,WI RESIN-SOLUT  FL 38E3L  0  0 99  0E9 RP-TK DRLMENT                            TK CR RR  0 02 6
 6. 6/ 7/72 SWEETH2O,WY RESIN-SOLUT  FL 13E3L  0  0 99  0E9 RP-TK VALVE BKN                          TK TRLR   0 02 6
 7. 6/10/72 ST-CLOUD,MN RESIN-SOLUT  FL 38E1L  0  0 99  0E9 RP-TK CONTR FLRE  EXPLOSION                        1 04 3
 8. 8/27/72 CNCNNATI,OH RESIN-SOLUT  FL 28E2L  0  0 99 80E0 RP-NT SHRP OBJ    UNKNOWN                STL DRUM  0 02 1
 9.11/15/72 LOS-ANGL,CA RESIN-SOLUT  FL 21E1L  0  0 99 20E1 RP-NT SHRP OBJ    IMP LDG                STL DRUM  0 02 1
10. 1/19/73 REDWD CY,CA RESIN-SOLUT  FL 11E2L  0  0 99  0E0 RP-TK RPTRD PIPE  OVRPRES                CKG/MX T  0 04 3
11.11/ 7/72 BRUNSWIK,GA RESIN-S1     UN 28E0   0  0 99  0E9 RP-TK CONTR FLRE  SHIP SANK              SHIP      0 00 6
12. 6/12/70 SANFNAND,CA RESIN-ACRYL  FL 21E1L  0  0 99  0E9 RP-NT CONTR FLRE  MTRL DFCT   PRNSLL ERR STL DRUM  0 04 2
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                      RESONATE SOLUTION SPILLS
                                                 F
                                                 A
                                              I  T         P                                                 O
                                       Q      N  A         R                                                 P  S
                                       U      J  L  H      I                                                    O
                                       A      U  I  A      M                                                 EA U
                                       N      R  T  Z      A                                                 QR R
                                       I      I  I  A      R                                                 UE C
                                       T      E  E  R      Y                                                 PA E
                                       Y      S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 1/17/72 SAVANNAH,GA RESONATE SO  UN 18E4L  0  0  6  OEO OVRFW MECH FAIL                                 0 04 3
                      SILICON CHLORIDE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                 O
                                       Q      N  A         R                                                 P  S
                                       U      J  L  H      I                                                    O
                                       A      U  I  A      M                                                 EA U
                                       N      R  T  Z      A                                                 QR R
                                       I      I  I  A      R                                                 UE C
                                       T      E  E  R      Y                                                 PA E
                                       Y      S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/19/72 DOWNIGTN,PA SILICON-CHL  CL 38E1L  0  0  1 25E1 OVRFW PRNSLL ERR                       STO TANK 0 01 1
                      SILVER NITRATE SPILLS
                                                 F
                                                 A
                                              I  T         P                                                 O
                                       Q      N  A         R                                                 P  S
                                       U      J  L  H      I                                                    O
                                       A      U  I  A      M                                                 EA U
                                       N      R  T  Z      A                                                 QR R
                                       I      I  I  A      R                                                 UE C
                                       T      E  E  R      Y                                                 PA E
                                       Y      S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/17/72 DELANO   ,PE SILVER-NITR  OX 38E2L  0  0 10  OE9 OVRFW UNKNOWN                                   0 04 6
                      SODA ASH SPILLS
                                                 F
                                                 A
                                              I  T         P                                                 O
                                       Q      N  A         R                                                 P  S
                                       U      J  L  H      I                                                    O
                                       A      U  I  A      M                                                 EA U
                                       N      R  T  Z      A                                                 QR R
                                       I      I  I  A      R                                                 UE C
                                       T      E  E  R      Y                                                 PA E
                                       Y      S  S  D
  DATE      LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/20/71 PATOM-RI,MD SODA-ASH     UN OEOU   0  0 99  OE9 OVRFW UNKNOWN                          SETLG PD 0 05 5
2. 6/26/72 SLABTOWN,MD SODA-ASH     UN OEOU   0  0 10  OE9 RP-TK SHRP OBJ    DRLMENT              TK CR RR 1 02 5
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                         SODIUM ALUMINATE, LIQUID SPILLS
                                                   F
                                                   A
                                                I  T           P
                                          Q     N  A           R                                              O
                                          U     J  L  H        I                                              P    S
                                          A     U  I  A        M                                                   O
                                          N     R  T  Z        A                                             EA    U
                                          I     I  I  A        R                                             QR    R
                                          T     E  E  R        Y                                             UE    C
                                          Y     S  S  D                                                      PA    E
   DATE      LOCATION   MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER  M
 1. 3/ 5/73 ALBANY  ,NY SOD-ALUMINA  CL 38E CL  0  0 99 10E1 RP-NT CONTR FLRE                        STL DRUM 0 01 1

                         SODIUM ARSENATE SPILLS
                                                   F
                                                   A
                                                I  T           P
                                          Q     N  A           R                                              O
                                          U     J  L  H        I                                              P    S
                                          A     U  I  A        M                                                   O
                                          N     R  T  Z        A                                             EA    U
                                          I     I  I  A        R                                             QR    R
                                          T     E  E  R        Y                                             UE    C
                                          Y     S  S  D                                                      PA    E
   DATE      LOCATION   MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER  M
 1. 6/10/71 MOBILE  ,AL SODIUM-ARSN  BP 76E OL  0  0  2  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
 2. 4/ 3/72 FARMNGTN,CT SODIUM-ARSN  BP 19E CL  0  0  1  0E9 RP-NT SHRP OBJ    UNKNOWN                STL PAIL 0 12 1

                         SODIUM ARSENITE SPILLS
                                                   F
                                                   A
                                                I  T           P
                                          Q     N  A           R                                              O
                                          U     J  L  H        I                                              P    S
                                          A     U  I  A        M                                                   O
                                          N     R  T  Z        A                                             EA    U
                                          I     I  I  A        R                                             QR    R
                                          T     E  E  R        Y                                             UE    C
                                          Y     S  S  D                                                      PA    E
   DATE      LOCATION   MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER  M
 1. 3/15/71 BOISE   ,ID SODIUM-ARSI  BP  1E CL  0  0  1  0E9 RP-NT CONTR FLRE IMPR CNTNR             STL DRUM 0 00 1
 2. 5/ 3/71 AMARILLO,TX SODIUM-ARSI  BP  1E CL  0  0  1 15E0 RP-NT CONTR FLRE UNKNOWN                STL PAIL 0 02 1
 3. 6/ 5/71 CHICAGOH,IL SODIUM-ARSI  BP 76E OL  0  0  5 75E0 RP-NT SHRP OBJ    UNKNOWN                STL DRUM 0 01 1
 4. 6/29/71 CINCINTI,OH SODIUM-ARSI  BP 19E CL  0  0  3  0E9 RP-NT CONTR FLRE UNKNOWN                STL PAIL 0 02 1
 5. 6/30/71 CHARLOTT,NC SODIUM-ARSI  BP 38E CL  0  0  4  0E9 RP-NT SHRP OBJ                          STL DRUM 0 02 1
 6. 8/ 6/71 PHILADEL,PA SODIUM-ARSI  BP  1E CL  0  0  1 10E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
 7. 8/31/71 MERIDEN ,MS SODIUM-ARSI  BP 38E OL  0  0  4  0E9 RP-NT SHRP OBJ    UNKNOWN                STL PAIL 0 02 1
 8.11/ 8/71 RICHMOND,VA SODIUM-ARSI  BP 23E OL  0  0  3  0E9 RP-NT FORKLIFT    PRNSLL ERR             STL DRUM 0 51 1
 9. 5/ 1/72 W-MIDLSX,PA SODIUM-ARSI  BP  1E OK  0  0  1  0E9 RP-NT SHRP OBJ                          STL PAIL 0 51 1
10. 5/24/72 SHARNVIL,OH SODIUM-ARSI  BP  1E CK  0  0  1  0E9 RP-NT LSE CP,CVR                        STL DRUM 0 02 1
11. 6/ 1/72 MAMOTH-J,NJ SODIUM-ARSI  BP 76E CL  0  0  5  0E9 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
12. 3/29/73 BRUNSWIC,GA SODIUM-ARSI  BP  1E OL  0  0  1  0E9 RP-NT SHRP OBJ    IMP LDG                STL DRUM 0 02 1
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                      SODIUM CARRAGHEENATE SPILLS
                                                 F
                                                 A
                                              I  T            P                                                O
                                        Q     N  A            R                                                P S
                                        U     J  L  H         I                                                  O
                                        A     U  I  A         M                                               EA U
                                        N     R  T  Z         A                                               QR R
                                        I     I  I  A         R                                               UE C
                                        T     E  E  R         Y                                               PA E
                                        Y     S  S  D
                                                      DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE     LOCATION     MATERIAL  CLASS
1. 7/13/72 TORONTO ,    SOD-CAREGET  UN  OFOU  0  0 99  OE9 RP-NT CONTR FLRE FIRE       VANDALISM  CDBD DRM 3 03 3
                      SODIUM CHLORATE SPILLS
                                                 F
                                                 A
                                              I  T            P                                                O
                                        Q     N  A            R                                                P S
                                        U     J  L  H         I                                                  O
                                        A     U  I  A         M                                               EA U
                                        N     R  T  Z         A                                               QR R
                                        I     I  I  A         R                                               UE C
                                        T     E  E  R         Y                                               PA E
                                        Y     S  S  D
                                                      DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE     LOCATION     MATERIAL   CLASS
1. 2/17/71 CHESTER ,PA SODIUM-CLAT  OX 18E1K  0  0  1 42F0 RP-NT IMPR HNDLG                      STL DRUM 0 02 1
2. 3/24/72 NILESJCT,OH SODIUM-CLAT  OX 41FCK  0  0  1 10E1 RP-TK DRLMENT    UNKNOWN              BK CR RP 0 02 1
3. 5/ 3/72 ENNIS   ,TX SODIUM-CLAT  OX 38FOL  0  0  1  OE9 OTHER PRNSLL ERR                      TK CR RP 1 06 6
                          SODIUM CHLORITE SOLUTION SPILLS
                                                 F
                                                 A
                                              I  T            P                                                O
                                        Q     N  A            R                                                P S
                                        U     J  L  H         I                                                  O
                                        A     U  I  A         M                                               EA U
                                        N     R  T  Z         A                                               QR R
                                        I     I  I  A         R                                               UE C
                                        T     E  E  R         Y                                               PA E
                                        Y     S  S  D
                                                      DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE     LOCATION     MATERIAL  CLASS
1. 7/24/72 MIAMI   ,OK SOD-CHLOR-S  CL 23FCL  0  0 99 15E1 RP-NT LSE CP,CVR IMPR HNDLG            GLS BTLS 0 02 1
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                        SODIUM HYDROSULFITE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                O
                                          U    J  L  H        I                                                P  S
                                          A    U  I  A        M                                                   O
                                          N    R  T  Z        A                                                EA U
                                          I    I  I  A        R                                                QR R
                                          T    E  E  R        Y                                                UE C
                                          Y    S  S  D                                                         PA E
   DATE      LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
 1. 3/ 4/71 CHARLOTT,NC SODIUM-HYDO  FS 16E2K  0  0  3 12E2 RP-NT BODY FLRE  IMP LDG                STL DRUM 0 02 1
 2. 4/17/71 E RTHRFD,NJ SODIUM-HYDO  FS 64E3L  0  0  8  0E0 RP-NT CONTR FLRE FIRE       SPOV COMB   STL DRUM 1 03 3
 3. 7/22/71 BARIA   ,OH SODIUM-HYDO  FS 37E2K  0  0  4 25E3 RP-NT CONTR FLRE OVRTURN    PRNSLL ERR  STL DRUM 0 00 1
 4. 8/31/71 LOS-ANGL,CA SODIUM-HYDO  FS 38E0K  0  0  1 13E1 RP-NT CONTR FLRE                        STL DRUM 0 02 1
 5. 2/22/72 HOUSTON ,TX SODIUM-HYDO  FS  0E0K  0  0 99 15E2 RP-NT CONTR FLRE                        STL DRUM 0 02 1
 6. 3/20/72 MILLDGRV,GA SODIUM-HYDO  FS 23E1K  0  0  1 15E1 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
 7. 9/ 8/72 ATLANTA ,GA SODIUM-HYDO  FS 10E0K  0  0  1 45E3 RP-NT CONTR FLRE OVRTURN    BRAKE FLRE  COBD DRM 0 02 1
 8.11/13/72 BIRMINGH,AL SODIUM-HYDO  FS 48E2K  0  0  4 67E2 OTHER LSE CP,CVR UNKNOWN                         0 02 1
 9.11/18/72 HOUSTON ,TX SODIUM-HYDO  FS 17E1K  0  0  1 15E1 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
10.12/15/72 INDIANPL,IN SODIUM-HYDO  FS 18E2K  0  0  3 25E3 RP-NT CONTR FLRE IMP LDG                STL DRUM 0 02 1
11. 3/31/73 WARREN  ,MI SODIUM-HYDO  FS 12E1K  0  0  1 25E2 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1

                        SODIUM HYPOCHLORITE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                O
                                          U    J  L  H        I                                                P  S
                                          A    U  I  A        M                                                   O
                                          N    R  T  Z        A                                                EA U
                                          I    I  I  A        R                                                QR R
                                          T    E  E  R        Y                                                UE C
                                          Y    S  S  D                                                         PA E
   DATE      LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
 1. 5/28/71 WAKEFORS,NC SODIUM-HYPO  CL 76E1L  0  0  5  0E9 RP-NT CONTR FLRE SHRP OBJ   CONTR FLRE  STL DRUM 1 02 1
 2. 7/15/71 PHOENIX ,AZ SODIUM-HYPO  CL 10E0   0  0  1  0E9 RP-NT CONTR FLRE IMP LDG                         1 02 1
 3. 5/17/72 SLT-LK-C,UT SODIUM-HYPO  CL 11E2L  0  0  6  0E9 OVRFW VALVE BKN                         STO TANK 0 03 6
 4. 9/20/72 CHICAGO ,IL SODIUM-HYPO  CL 19E1L  0  0  3 50E0 OVRFW GAU MS/DFC                        STO TANK 0 41 1

                        SODIUM METHYLATE DRY SPILLS
                                                  F
                                                  A
                                               I  T           P
                                          Q    N  A           R                                                O
                                          U    J  L  H        I                                                P  S
                                          A    U  I  A        M                                                   O
                                          N    R  T  Z        A                                                EA U
                                          I    I  I  A        R                                                QR R
                                          T    E  E  R        Y                                                UE C
                                          Y    S  S  D                                                         PA E
   DATE      LOCATION   MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE  CONTAINER M
 1. 2/10/71 ATLANTA ,GA SODIUM-METH  FS 23E0K  0  0  1  0E9 RP-NT FORKLIFT                          STL DRUM 0 51 1
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                    SODIUM NITRATE SPILLS
                                                 F
                                                 A
                                              I  T
                                          Q   N  A            P                                                O
                                          U   J  L  H         R                                                P S
                                          A   U  I  A         I                                                  O
                                          N   R  T  Z         M                                               EA U
                                          I   I  I  A         A                                               QP R
                                          T   E  E  R         R                                               UE C
                                          Y   S  S  D         Y                                               PA E
  DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/19/71 WATRBURY,CN SOD NITRATE  OX  0E0U  0  0  9  0E0 CNRFR EXPLOSION  MECH FAIL            DIP TANK  0 04 3
2. 9/ 8/72 ST-LOUIS,MO SOD-NITRATE  OX 45E0K  0  0  1 50E0 RP-NT SHRP OBJ                        PA BAG    0 01 1
3. 6/ 6/73 POKEGAMA,WI SOD-NITRATE  OX 55E3K  0  0  8  0E9 RP-TK SHRP OBJ   DRLMENT              BK CR RR  0 02 1

                    SODIUM NITRITE SPILLS
                                                 F
                                                 A
                                              I  T
                                          Q   N  A            P                                                O
                                          U   J  L  H         R                                                P S
                                          A   U  I  A         I                                                  O
                                          N   R  T  Z         M                                               EA U
                                          I   I  I  A         A                                               QR R
                                          T   E  E  R         R                                               UE C
                                          Y   S  S  D         Y                                               PA E
  DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/26/72 DOONTON ,NJ SOD-NITRITE  OX 95E0L  0  0  1 10E0 TS FL HSE,CPL FA PRNSLL ERR           TK TRLR   0 21 1
2. 2/28/73 S-HOLLND,IL SOD-NITRITE  OX 45E0K  0  0  1 25E0 RP-NT SHRP OBJ   UNKNOWN              PA BAG    0 02 1
3. 3/ 7/73 FAIRLAWN,NJ SOD-NITRITE  OX 45E0K  0  0  1 90E0 RP-NT SHRP OBJ    IMPR HNDLG          PA BAG    0 02 1

                    SODIUM SULFATE SPILLS
                                                 F
                                                 A
                                              I  T
                                          Q   N  A            P                                                O
                                          U   J  L  H         R                                                P S
                                          A   U  I  A         I                                                  O
                                          N   R  T  Z         M                                               EA U
                                          I   I  I  A         A                                               QR R
                                          T   E  E  R         R                                               UE C
                                          Y   S  S  D         Y                                               PA E
  DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/ 1/72 RADFORD ,VA SOD-SULFATE  UN  0E0U  0  0 99  0E9 OTHER RPTRD PIPE MTRL DFCT            PIPES     0 04 6
2.10/ 5/72 RADFORD ,VA SOD-SULFATE  UN  0E0U  0  0 99  0E9 OTHER RPTRD PIPE MTRL DFCT            PIPES     0 04 6
3.10/10/72 RADFORD ,VA SOD-SULFATE  UN  0E0U  0  0 99  0E9 OTHER RPTRD PIPE MTRL DFCT            PIPES     0 04 6
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                      SODIUM SULFIDE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                         Q     N  A           R                                                 O
                                         U     J  L  H        I                                                 P S
                                         A     U  I  A        M                                                   O
                                         N     R  T  Z        A                                                EA U
                                         I     I  I  A        R                                                QR R
                                         T     E  E  R        Y                                                UE C
                                         Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 5/10/72 BALTIMOR,MD SOD-SULFIDE  BP 47E2L   0  0  7  0E9 OVRFW MTRL DFCT                          PIPES   0 03 5
2. 5/10/72 BALTIMOR,MD SOD-SULFIDE  BP 38E2L   0  0  7  0E9 RP-TK VALVE BKN                         STO TANK 0 03 6

                       SODIUM PEROXIDE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                         Q     N  A           R                                                 O
                                         U     J  L  H        I                                                 P S
                                         A     U  I  A        M                                                   O
                                         N     R  T  Z        A                                                EA U
                                         I     I  I  A        R                                                QR R
                                         T     E  E  R        Y                                                UE C
                                         Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 6/30/72 GASTONIA,NC SOD PEROXIDE CL 34E0K   0  0  1  0E0 RP-NT EXPLOSION  FORGN SUBS  LSE CP,CVR STL DRUM 0 03 3

                      SODIUM SILICATE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                         Q     N  A           R                                                 O
                                         U     J  L  H        I                                                 P S
                                         A     U  I  A        M                                                   O
                                         N     R  T  Z        A                                                EA U
                                         I     I  I  A        R                                                QR R
                                         T     E  E  R        Y                                                UE C
                                         Y     S  S  D                                                         PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE   4TH CAUSE CONTAINER M
1. 5/24/71 LONG ISL,NY SOD SILICATE CL 19E3L   0  0  4  0E0 RP-TK EXPLOSION  VALVE SHUT             STO TANK 0 01 3
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                    SOLVENT SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                        Q     N  A          R                                                P  S
                                        U     J  L  H       I                                                   O
                                        A     U  I  A       M                                               EA  U
                                        N     R  T  Z       A                                               QR  R
                                        I     I  I  A       R                                               UE  C
                                        T     E  E  R       Y                                               PA  E
                                        Y     S  S  D
  DATE     LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/21/72 SAND SPR,OK SOLVENT-470  FL 13F3L  1  0 99 18E3 RP-TK OVRTURN    RDWY CONDS PRNSLL ERR TK TRLR  0 02 1
2.10/18/77 FULTON  ,OH SOLVENT      FL 38E1L  0  0  1  0E9 RP-TK SHRP OBJ   NMRL OP              DIP TANK 0 04 3
3. 1/24/73 HICKORY ,NC SOLVENT      FL 21E1L  1  0 99  0E9 OVRFW DROPPED    PRNSLL ERR           STL DRUM 0 04 3
                    SOYBEAN OIL SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                        Q     N  A          R                                                P  S
                                        U     J  L  H       I                                                   O
                                        A     U  I  A       M                                               EA  U
                                        N     R  T  Z       A                                               QR  R
                                        I     I  I  A       R                                               UE  C
                                        T     E  E  R       Y                                               PA  E
                                        Y     S  S  D
  DATE     LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/13/71 E ST LUS,IL SOYBEAN OIL  FL 23E3L  0  0 99  0E0 OVRFW OPN VALVE  INTNL REL  VANDALISM  STO TANK 1 03 3
                    STODDARD SPILLS
                                                 F
                                                 A
                                              I  T          P                                                O
                                        Q     N  A          R                                                P  S
                                        U     J  L  H       I                                                   O
                                        A     U  I  A       M                                               EA  U
                                        N     R  T  Z       A                                               QR  R
                                        I     I  I  A       R                                               UE  C
                                        T     E  E  R       Y                                               PA  E
                                        Y     S  S  D
  DATE     LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/ 7/71 GRONHTTN,OH STODDARD     FL 57E0L  0  0  1  0E0 OVRFW VALVE BKN  MECH FAIL            STO TANK 0364 3
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                         STRONTIUM CARBONATE SPILLS
                                                 F
                                                 A
                                              I  T            P
                                         Q    N  A            R                                               O
                                         U    J  L  H         I                                                P S
                                         A    U  I  A         M                                                  O
                                         N    R  T  Z         A                                               EA U
                                         I    I  I  A         R                                               QR R
                                         T    E  E  R         Y                                               UE C
                                         Y    S  S  D                                                         PA E
  DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/ 9/72 MODESTO ,CA STRNT CARBO  FS  0E0U   0  0 99   0E0 RP-NT WET PACKNG SPKLRS DSC             PA BAG   1 03 3

                         STYPOL SPILLS
                                                 F
                                                 A
                                              I  T            P
                                         Q    N  A            R                                               O
                                         U    J  L  H         I                                                P S
                                         A    U  I  A         M                                                  O
                                         N    R  T  Z         A                                               EA U
                                         I    I  I  A         R                                               QR R
                                         T    E  E  R         Y                                               UE C
                                         Y    S  S  D                                                         PA E
  DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/12/73 SNOWY-CR,VA STYPOL       UN 19E3L  0  0 99   0E9 RP-TK CONTR FLRE OVRTURN                TK TRLR  0 02 2

                         SULFONIC ACID SPILLS
                                                 F
                                                 A
                                              I  T            P
                                         Q    N  A            R                                               O
                                         U    J  L  H         I                                                P S
                                         A    U  I  A         M                                                  O
                                         N    R  T  Z         A                                               EA U
                                         I    I  I  A         R                                               QR R
                                         T    E  E  R         Y                                               UE C
                                         Y    S  S  D                                                         PA E
  DATE       LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/22/72 EDGEWOOD,MD SULFONIC-AC  CL 76E0L  0  0  1   0E9 RP-TK OVRTURN    UNKNOWN                TK TRLR  0 02 2
2.12/22/72 BALTIMOR,MD SULFONIC-AC  CL 75E0L  0  0  1   0E9 RP-TK OVRTURN    DFCTV WELD             TK TRLR  0 02 6
3.12/29/72 BALTIMOR,MD SULFONIC-AC  CL 76ECL  0  0  1   0E9 RP-TK CONTR FLRE OVRTURN                TK TRLR  0 02 2
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                         SULFUR, MOLTEN SPILLS
                                              F
                                              A
                                           I  T             P                                        O
                                      Q    N  A             R                                        P S
                                      U    J  L  H          I                                          O
                                      A    U  I  A          M                                        FA U
                                      N    R  T  Z          A                                        QP R
                                      I    I  I  A          R                                        UE C
                                      T    E  E  R          Y                                        PA E
                                      Y    S  S  D                                                   
                                                    DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION     MATERIAL  CLASS                                                     PIPES    0 04 3
1.12/ 2/72 GLEN FAL,NY SULFUR-MOLT  CL  0E0U  0  0 99  0E9 OVFLW MECH FAIL                   STO TANK 0 03 5
2. 2/22/71          ,MD SULFUR-MOLT  CL 90E4K  0  0  8  0E9 RP-TK BODY FLRE  UNKNOWN                  0 00 6
3. 6/16/71 OAKLAND ,CA SULFUR-MOLT  CL  0E0U  0  0 99  0E9 OTHER UNKNOWN                             0 09 2
4. 5/ 5/72 NEW-ORLN,LA SULFUR-MOLT  CL  0E0U  0  1 99  0E9 TS FL UNKNOWN                    TK TRLR  0 02 6
5. 5/15/72 URAVAN  ,CO SULFUR-MOLT  CL 18E3K  0  0  2  0E9 RP-TK CONTR FLRE OVRTURN

                         SULFUR MONO CHLORIDE SPILLS
                                              F
                                              A
                                           I  T             P                                        O
                                      Q    N  A             R                                        P S
                                      U    J  L  H          I                                          O
                                      A    U  I  A          M                                        FA U
                                      N    R  T  Z          A                                        QR R
                                      I    I  I  A          R                                        UF C
                                      T    E  E  R          Y                                        PA E
                                      Y    S  S  D
                                                    DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION     MATERIAL  CLASS                                                     TK CP RR 0 02 1
1.11/12/71 AVON    ,IN SULFUR-MONO  CL 13E41  1  0 10  70E2 RP-TK SHRP OBJ  DPLMENT            STL DRUM 0 02 1
2. 3/ 5/72 BETHEL  ,CT SULFUR-MONO  CL 45E0K  0  0  1  30E1 RP-NT MTRL DFCT DRLM&OVRTN

                         SULFURATED POTASH SPILLS
                                              F
                                              A
                                           I  T             P                                        O
                                      Q    N  A             R                                        P S
                                      U    J  L  H          I                                          O
                                      A    U  I  A          M                                        FA U
                                      N    R  T  Z          A                                        QP R
                                      I    I  I  A          R                                        UF C
                                      T    E  E  R          Y                                        PA E
                                      Y    S  S  D
                                                    DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION     MATERIAL  CLASS                                          VANDALISM  CORD DRM 3 03 3
1. 7/13/72 TORONTO ,   SULFURAT-PO  CM  0E0U  0  0 99  0E9 RP-NT CONTR FLRE FIRE
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                    SULFURIC ACID SPILLS---INCLUDES--MINE ACID SPILLS  AND OLEUM SPILLS
                                                   F
                                                   A
                                                 I T              P
                                             Q   N A              R                                            O
                                             U   J L  H           I                                            P S
                                             A   U I  A           M                                              O
                                             N   R T  Z           A                                           EA U
                                             I   I I  A           R                                           QR R
                                             T   E E  R           Y                                           UE C
                                             Y   S S  D                                                       PA E
   DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 6/ 9/70 CHICOPEE,MA SULFURIC-AC  CL  0E0U 0  0 99  0E9 OVRFW SPKLRS DSC FIRE                  IND MACH 0 04 3
 2.11/26/70 FRANKLIN,IL SULFURIC-AC  CL  0E0U 0  0 99  0E9 OTHER FIRE                             STO TANK 0 03 3
 3. 1/11/71 BERKLEY ,CA SULFURIC-AC  CL  0E0U 0  0 99  0E9 OVRFW HSE,CPL FA UNKNOWN               PIPES    0 02 6
 4. 1/14/71 GLOBE   ,AZ SULFURIC-AC  CL 21E3K 1  0  4 13E3 RP-TK OVRTURN    BRAKE FLRE            TK TRLR  0 01 1
 5. 2/12/71 LAUREL  ,MD SULFURIC-AC  CL 15E0L 0  0  1  0E9 RP-NT DROPPED                          PBTL/CTN 0 01 1
 6. 3/ 4/71 TENNILE ,GA SULFURIC-AC  CL 13E2K 0  0  1 15E0 RP-TK MTRL DFCT                        TK CR RR 0 02 1
 7. 3/ 4/71 COLUMBUS,GA SULFURIC-AC  CL 45E2L 0  0  2 60E1 RP-TK MTRL DFCT                        TK CR RR 0 02 1
 8. 4/13/71 DEMOINES,IA SULFURIC-AC  CL  8E0L 0  0  1  0E9 TS FL HSE,CPL FA                       TK TRLR  0 41 1
 9. 5/ 6/71 BUFFALO ,NY SULFURIC-AC  CL 49E2L 0  0  2 34E2 OVRFW UNKNOWN                          TK CR RR 0 02 1
10. 5/12/71 BRODRICK,CA SULFURIC-AC  CL 28F0L 0  0  1  0E9 RP-NT IMP LDG                          PLSTC DR 0 02 1
11. 5/28/71 WAKEFORS,NC SULFURIC-AC  CL 76E1L 0  0  5  0E9 RP-NT CONTR FLRE SHRP OBJ   CONTR FLRE STL DRUM 1 02 1
12. 7/23/71 CRESTWOD,MO SULFURIC-AC  CL 65E2  0  0  3 10E2 OVRFW OPN VALVE  PRNSLL ERR            TK TRLR  0 00 1
13. 9/ 2/71 CHICAGO ,IL SULFURIC-AC  CL 11E1L 0  0  1  0E9 RP-NT CONTR FLRE IMP LDG               STL PAIL 0 02 1
14. 9/ 2/71 BILLINGS,MT SULFURIC-AC  CL 15E0L 0  0  1 20E1 RP-NT MTRL DFCT                        PLSTC BT 0 01 1
15. 9/ 9/71 99      ,LA SULFURIC-AC  CL 36E2K 0  0  2  0E9 RP-TK LSE CP,CVR GSKT FAIL             TK TRLR  0 01 1
16. 9/10/71 SUMTRUIL,FL SULFURIC-AC  CL 19E4L 0  0  7 19E3 RP-TK SHRP OBJ   DRLMENT               TK CR RR 0 02 1
17. 9/10/71 JACKSONU,FL SULFURIC-AC  CL 38E3L 0  0  5 10E3 RP-TK SHRP OBJ   DRLMENT               TK CR RR 0 02 1
18. 9/18/71 CHATTANO,TN SULFURIC-AC  CL 19E3L 0  0  4 75E1 RP-TK LKG CVR                          TK CR RR 0 02 1
19. 9/29/71 GREENVIL,TX SULFURIC-AC  CL 57E2L 2  0  2 80E1 RP-TK VALVE BKN  CLS&OVRTN             TK TRLR  0 02 1
20.10/ 1/71 CHATANOG,TN SULFURIC-AC  CL 38E1L 0  0  1 50E0 RP-TK BODY FLRE  UNKNOWN               TK CR RR 0 02 1
21.10/ 1/71 CHATFIEL,MN SULFURIC-AC  CL 16E2L 0  0  1 65E0 RP-TK HSE,CPL FA OVRTURN               TK TRLR  0 02 1
22.11/26/71 RIVERTON,WY SULFURIC-AC  CL 10E1L 0  0  1 25E0 OTHER UNKNOWN                                   0 02 1
23.12/ 3/71 THOMASVL,AL SULFURIC-AC  CL 58E3L 0  0  6 16E2 RP-TK LSE CP,CVR DRLMENT               TK CR RR 0 02 1
24.12/11/71 N BERGEN,NJ SULFURIC-AC  CL 68F4L 0  0  9  0E9 RP-TK FIRE                             STO TANK 0 03 3
25.12/22/71 HOUSTON ,TX SULFURIC-AC  CL 13E3L 0  0  4 46E1 RP-TK CONTR FLRE COLLSN                TK CR RR 0 02 1
26. 1/ 3/72 HANCOCK ,MI SULFURIC-AC  CL 75E0L 0  0  1 10E0 RP-NT CONTR FLRE DROPPED               PL CARBY 0 01 1
27. 1/ 4/72 BERKLEY ,CA SULFURIC-AC  CL 19E0L 0  0  1  0E9 OVRFW UNKNOWN                          TK TRLR  0 01 6
28. 1/ 7/72 CLINTON ,IA SULFURIC-AC  CL 23E1K 1  0  1  0E9 TS FL HSE,CPL FA MECH FAIL             STO TANK 0 20 1
29. 1/14/72 SAFFORD ,AZ SULFURIC-AC  CL 54E2K 0  0  2 12E1 RP-TK VALVE BKN  CLS&OVRTN             TK TRLR  0 02 1
30. 1/31/72 WAYNSVIL,NC SULFURIC-AC  CL 19E1L 0  0  1  0E9 RP-TK VALVE BKN  UNKNOWN               TK TRLR  0 02 6
31. 2/15/72 99      ,99 SULFURIC-AC  CL 19E1L 0  0  1 10E1 TS FL UNKNOWN                          TK TRLR  0 21 1
32. 2/16/72 HERNANDO,FL SULFURIC-AC  CL 51E3L 1  0  6 40E2 RP-TK CONTR FLRE DRLMENT               TK CR RR 0 02 1
33. 2/18/72 TOLEDO  ,OH SULFURIC-AC  CL  8E0L 0  0  1 80E1 RP-TK LSE CP,CVR PRNSLL ERR            TK TRLR  0 02 1
34. 2/24/72 STRUTHRS,OH SULFURIC-AC  CL 37E3L 0  0  5  0E9 RP-TK SHRP OBJ   COLLSN     PRNSLL ERR TK CR RR 0 02 1
35. 3/21/72 MTVERNON,KY SULFURIC-AC  CL 38E3L 0  0  5 13E2 RP-TK SHRP OBJ   DRLMENT    UNKNOWN    TK CR RR 0 02 1
36. 3/23/72 CLEVELAN,OH SULFURIC-AC  CL 38E2L 0  0  2 45E1 TS FL HSE,CPL FA UNKNOWN               TK TRLR  0 51 1
37. 4/ 7/72 BUSHBPRK,SC SULFURIC-AC  CL 19E0L 1  0  1  0E9 RP-TK CONTR FLRE DFCTV WELD            TK TRLR  0 01 1
38. 4/14/72 CANTON  ,OH SULFURIC-AC  CL 79E1L 0  0  1 25E0 TS FL HSE,CPL FA UNKNOWN               TK TRLR  0 51 1
39. 4/28/72 BELLVIEW,MO SULFURIC-AC  CL 20E2L 0  0  1 10E1 RP-TK LKG CVR    OVRTURN               TK TRLR  0 02 1
40. 5/ 2/72 GREENSBR,NC SULFURIC-AC  CL 76E1L 0  0  1 78E0 RP-TK LSE CP,CVR PRNSLL ERR            TK TRLR  0 01 1
41. 5/ 5/72 MEMPHIS ,TN SULFURIC-AC  CL  0E0U 0  0 99  0E9 TS FL UNKNOWN                                   0 01 6
42. 5/ 8/72 MEMPHIS ,TN SULFURIC-AC  CL 76E1L 0  0  1  0E9 TS FL UNKNOWN                                   0 01 2
43. 5/14/72 AUSTIN  ,MN SULFURIC-AC  CL 14E3L 0  0  4  0E9 OVRFW OPN VALVE  PRNSLL ERR                     0 03 6
44. 5/15/72 CLIMAX  ,CO SULFURIC-AC  CL 38E2L 0  0  2 12E2 RP-TK OPN VALVE  PRNSLL ERR            TK TRLR  0 01 1
45. 5/15/72 CLIMAX  ,CO SULFURIC-AC  CL 11E3L 0  0  3  0E9 RP-TK CONTR FLRE UNKNOWN               STD TANK 0 00 6
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 46. 5/16/72 CARBON   ,PN SULFURIC-AC  CL 27E2L  0  0  2   0E9 RP-NT CONTR FLRE DRLM&OVRTN               ST BATT   0 02 6
 47. 5/31/72 NEVIL-IS,PA SULFURIC-AC  CL 57E2L  0  0  1  36E0 OVRFW PRNSLL ERR                          STO TANK  0 51 1
 48. 6/ 1/72 SAVANNAH,GA SULFURIC-AC  CL 15E1L  0  0  1  30E2 ITLRL UNKNOWN                             TK TRLR   0 02 1
 49. 6/13/72 JOLIET   ,IL SULFURIC-AC  CL 30E1L  0  0  1  14E0 TS FL MTRL DFCT  UNKNOWN                 TK TRLR   0 50 1
 50. 6/19/72 BATORUGE,LA SULFURIC-AC  CL 79E1L  0  0  1  28E1 ITLRL PRNSLL ERP                          TK TRLR   0 01 1
 51. 6/24/72 WHTE SPG,FL SULFURIC-AC  CL 11E5L  0  0  9  50E3 RP-TK MTRL DFCT  O V R F W                CKG/MX T  0 04 3
 52. 6/29/72 INTRACST,LA SULFURIC-AC  CL 21E2L  0  0  1  14E1 OTHER UNKNOWN                             TK TRLR   0 51 1
 53. 7/ 1/72 99      ,NC SULFURIC-AC  CL 38E0L  0  0  1   0E9 RP-TK COLLSN      UNKNOWN                 TK TRLR   0 02 2
 54. 7/ 9/72 NILES   ,OH SULFURIC-AC  CL 21E1L  0  0  1  50E0 RP-NT CONTR FLRE UNKNOWN                  STL DRUM  0 02 1
 55. 7/10/72 LINDEN  ,NJ SULFURIC-AC  CL 39E3K  0  0  2  14E1 RP-TK SHRP OBJ   MECH FAIL                TK TRLR   0 02 1
 56. 7/21/72 BALTIMOR,MD SULFURIC-AC  CL   0E0U  0  0 99   0E9 RP-TK UNKNOWN                            TK TRLR   0 02 5
 57. 7/27/72 CLEVELND,OH SULFURIC-AC  CL 11E1L  0  0  1  60E0 RP-NT CONTR FLRE DROPPED                  STL DRUM  0 01 1
 58. 7/27/72 CHICAGO ,IL SULFURIC-AC  CL 19E1L  0  0  1  50E0 TS FL HSE,CPL FA OVRPRES    VALVE BKN     TK TRLR   0311 1
 59. 7/29/72 RUSTON  ,LA SULFURIC-AC  CL 16E2L  2  0  1  14E3 RP-TK VALVE BKN  CLS&OVRTN               TK TRLR   0 02 1
 60. 7/31/72 GLOBE   ,AZ SULFURIC-AC  CL 11E3K  0  0  3  18E1 RP-TK SHRP OBJ   COLLSN      UNKNOWN      TK TRLR   0 02 1
 61. 8/ 4/72 99      ,99 SULFURIC-AC  CL 79E1L  0  0  1  50E0 RP-TK CONTR FLRE MTRL DFCT                STO TANK  0 41 1
 62. 8/ 7/72 MOBILE  ,AL SULFURIC-AC  CL 23E0L  0  0  1  50E1 RP-TK SHRP OBJ   IMP LOG                  BK TRLR   0 02 1
 63. 8/11/72 CLRKSJCT,WY SULFURIC-AC  CL 17E3L  0  0  4  12E2 RP-TK SHRP OBJ   OVRTURN                  TK TRLR   0 02 1
 64. 8/13/72 GEISMAR ,LA SULFURIC-AC  CL 57E0L  0  0  1  50E0 TS FL HSE,CPL FA UNKNOWN                  TK TRLR   0 21 1
 65. 8/14/72 KINGS-MT,NC SULFURIC-AC  CL 18E0L  0  0  1  10E0 RP-TK LKG CVR    GSKT FAIL                TK CR RR  0 02 1
 66. 8/16/72 BURLINGT,WI SULFURIC-AC  CL 57E0L  0  0  1  10E1 RP-NT CONTR FLRE MTRL DFCT                RUBBR CN  0 01 1
 67. 9/ 1/72 DOWNGTON,PA SULFURIC-AC  CL 19E1L  0  0  1  15E0 OVRFW LSE CP,CVR PRNSLL ERR               TK TRLR   0 51 1
 68. 9/16/72 BATNRUGE,LA SULFURIC-AC  CL 19E1L  0  0  2  25E3 RP-TK OPN VALVE  PRNSLL ERR               TK TRLR   0362 1
 69. 9/21/72 RIALTO  ,TN SULFURIC-AC  CL 38E2L  0  0  2  40E0 RP-TK VALVE BKN  COLLSN      DRLM&OVRTN   TK CR RR  0 02 1
 70. 9/21/72 RIALTO  ,TN SULFURIC-AC  CL 70E2L  0  0  3  80E0 RP-TK SHRP OBJ   DRLM&OVRTN               TK CR RR  0 02 1
 71.10/ 3/72 N-ALICE ,TX SULFURIC-AC  CL 11E2L  0  0  3  47E1 RP-NT CONTR FLRE OVRTURN                  PLSTC BG  0 02 1
 72.10/31/72 NEWARK  ,NJ SULFURIC-AC  CL 19E3L  0  0  4   0E9 OVRFW MECH FAIL  UNKNOWN                  TK CR RR  0 01 6
 73.11/ 1/72 HAMMOND ,IN SULFURIC-AC  CL 27E3L  0  0  5   0E9 OTHER CONTR FLRE UNKNOWN                  TK CR RR  0 02 1
 74.11/ 1/72 WAYNESVL,NC SULFURIC-AC  CL 19E0L  0  0  1   0E9 RP-TK OPN VALVE                           TK TRLR   0 02 2
 75.11/ 1/72 HAMMOND ,IN SULFURIC-AC  CL   0ECU  0  0 99   0E9 RP-TK CONTR FLRE UNKNOWN                 TK CR RR  0 02 6
 76.11/ 2/72 WANESVIL,NC SULFURIC-AC  CL 19E1L  0  0  1   0E9 RP-TK UNKNOWN                             TK TRLR   0 02 2
 77.11/ 3/72 BRDFRDPK,IL SULFURIC-AC  CL 19E1L  0  0  1   7E0 TS FL UNKNOWN                             TK TRLR   0 51 1
 78.11/ 8/72 WESTLAKE,LA SULFURIC-AC  CL 26E2L  0  0  2  25E1 TS FL UNKNOWN                             TK TRLR   0 51 1
 79.12/ 1/72 99      ,NC SULFURIC-AC  CL   0E0U  0  0 99   0E9 RP-TK CONTR FLRE                         TK TRLR   0 02 6
 80.12/10/72 ST-PAUL ,MN SULFURIC-AC  CL 95E1L  0  0  1   0E9 RP-TK CONTR FLRE MTRL DFCT                STO TANK  1 03 6
 81.12/18/72 KNOXVILE,TN SULFURIC-AC  CL 21E3L  0  0  4  25E2 OTHER UNKNOWN                             TK TRLR   0 02 1
 82.12/18/72 DUCKTOWN,TN SULFURIC-AC  CL 60E2L  0  0  4   0E9 RP-TK OVRTURN    UNKNOWN                  TK TRLR   0 02 2
 83.12/18/72 DUCKTOWN,TN SULFURIC-AC  CL 23E3L  0  0  4   0E9 OVRFW UNKNOWN    UNKNOWN                  TK TRLR   0 02 6
 84.12/19/72 PALMRTWN,PA SULFURIC-AC  CL 38E1L  0  0  1  61E0 RP-TK OPN VALVE  PRNSLL ERR               TK TRLR   0 00 1
 85.12/19/72 DUCKTOWN,TN SULFURIC-AC  CL 23E3L  0  0  4   0E9 RP-TK CONTR FLRE OVRTURN                  TK TRLR   0 02 2
 86.12/19/72 DUCKTOWN,TN SULFURIC-AC  CL  1E0L  0  0  1   0E9 RP-TK CONTR FLRE OVRTURN                  TK TRLR   0 02 2
 87.12/23/72 CINCINAT,OH SULFURIC-AC  CL 76E1L  0  0  1   0E9 OVRFW PRNSLL ERR                          STO TANK  0 04 6
 88. 1/ 6/73 BROADNAX,VA SULFURIC-AC  CL 76E1L  0  0  1  15E2 RP-TK LKG CVR    DRLM&OVRTN               TK CR RR  0 02 1
 89. 1/ 7/73 DESPL-RI,IL SULFURIC-AC  CL 14E4L  0  0 17   0E9 RP-TK MTRL DFCT                           STO TANK  1 03 2
 90. 1/23/73 MARIETTA,GA SULFURIC-AC  CL 49E0L  0  0  1  20E1 RP-NT UNKNOWN                             DELDRUM   0 02 1
 91. 2/ 4/73 MOBILE  ,AL SULFURIC-AC  CL 76E1L  0  0  1  20E1 RP-TK BODY FLRE  MTRL DFCT                TK CR RR  0 02 1
 92. 2/ 9/73 COLUMBIN,OH SULFURIC-AC  CL 14E3L  0  0  4  18E2 RP-TK SHRP OBJ   CLS&OVRTN                TK TRLR   0 02 1
 93. 2/22/73 POWER   ,WV SULFURIC-AC  CL 19E1L  0  0  1  15E0 OVRFW GAU MS/DFC PRNSLL ERR               STO TANK  0 41 1
 94. 3/ 3/73 ONTARIO ,CO SULFURIC-AC  CL 38E1L  0  0  1   0E9 OVRFW UNKNOWN                             STO TANK  0 01 1
 95. 3/15/73 PALMERTN,PA SULFURIC-AC  CL 28E1L  0  0  1  10E1 OVRFW OPN VALVE  PRNSLL ERR               TK TRLR   0362 1
 96. 3/15/73 NEWPORT ,DE SULFURIC-AC  CL 19E1L  0  0  1  25E0 TS FL HSE,CPL FA UNKNOWN                  TK TRLR   0 41 1
 97. 4/12/73 DAWSONVL,GA SULFURIC-AC  CL 21E3L  1  0  4  14E3 RP-TK SHRP OBJ   OVRTURN     PRNSLL ERR   TK TRLR   0 02 1
 98. 5/ 4/73 COPPRHIL,TN SULFURIC-AC  CL 38E0L  0  0  1   0E9 OTHER UNKNOWN                                       0 01 2
 99. 5/ 4/73 COOPRHIL,TN SULFURIC-AC  CL 38E1L  0  0  1   0E9 OTHER UNKNOWN                                       0 01 2
100. 5/17/73 ETOWAH  ,TN SULFURIC-AC  CL 98E2L  0  0  3   0E9 OTHER UNKNOWN                                       0 03 2
101. 5/25/73 ALIQUIPA,PA SULFURIC-AC  CL 76E3L  0  0  6   0E9 RP-TK CONTR FLRE UNKNOWN                  STO TANK  0361 2
102. 5/29/73 ALIQUIPA,PA SULFURIC-AC  CL 38E3L  0  0  5   0E9 RP-TK CONTR FLRE UNKNOWN                  STO TANK  0 03 2
103. 5/29/73 ALIQUIPA,PA SULFURIC-AC  CL 38E3L  0  0  5   0E9 RP-TK CONTR FLRE UNKNOWN                  STO TANK  0361 2
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104. 6/11/73 CLEVLND,TN SULFURIC-AC  CL  1F1L    0  0   1  0F3 RP-TK LSF CP,CVR                      TK TRLR   0 02 2
105. 7/13/73 MARTINEZ,CA SULFURIC-AC CL 76F3L    0  0   6  0F3 TS FL HSE,CPL FA                                0 01 2
106. 5/30/73 UNION   ,CT OLEUM        CL 11F2L    0  0   1 5051 TS FL HSE,CPL FA                      TK TRLR   0 21 1

                         SULFURYL CHLORIDE SPILLS
                                                     F
                                                     A
                                                  I  T            P
                                            Q     N  A            R                                             O
                                            U     J  L   H        I                                             P S
                                            A     U  I   A        M                                               O
                                            N     R  T   Z        A                                             EA U
                                            I     I  I   A        R                                             QR R
                                            T     E  E   R        Y                                             UE C
                                            Y     S  S   D                                                      PA E
    DATE      LOCATION    MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  1. 7/ 5/72 S-CHRLST,WV SULFURYL-CH  CL 38F6L    0  0   4 1203 RP-NT CONTR FLRE MTRL DFCT            STL DRUM  0 02 1
  2.11/16/72 HOUSTON ,TX SULFURYL-CH  CL 01FCK    0  0   5  0F3 RP-NT SHRP OBJ   UNKNOWN              STL DRUM  0 02 1

                         TALLOW SPILLS
                                                     F
                                                     A
                                                  I  T            P
                                            Q     N  A            R                                             O
                                            U     J  L   H        I                                             P S
                                            A     U  I   A        M                                               O
                                            N     R  T   Z        A                                             EA U
                                            I     I  I   A        R                                             QR R
                                            T     E  E   R        Y                                             UE C
                                            Y     S  S   D                                                      PA E
    DATE      LOCATION    MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  1. 9/22/71 LAMBERTS,VA TALLOW      UN 10F2L    0  1  99  0F3 TS,FL HSE,CPL FA OVRPRES                        0411 2
  2. 7/ 6/73 SAVANNAH,GA TALLOW      UN 11F4L    0  0  99  0F3 RP-TK UNKNOWN                         SHIP      0 00 2

                         TECHNISTRIP N.O.I. SPILLS
                                                     F
                                                     A
                                                  I  T            P
                                            Q     N  A            R                                             O
                                            U     J  L   H        I                                             P S
                                            A     U  I   A        M                                               O
                                            N     R  T   Z        A                                             EA U
                                            I     I  I   A        R                                             QR R
                                            T     E  E   R        Y                                             UE C
                                            Y     S  S   D                                                      PA E
    DATE      LOCATION    MATERIAL  CLASS                  DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  1. 6/21/71 CHICAGO ,IL TECHNISTRIP BP   2FCK    0  0  99 5050 RP-NT SHRP OBJ   UNKNOWN              CORD DRM  0 02 1
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                 TELONE CHLOROPICRIN SPILLS---SYN.--CHLOROPICRIN
                                                  F
                                                  A
                                               I  T         P                                              O
                                           Q   N  A         R                                              P  S
                                           U   J  L  H      I                                                 O
                                           A   U  I  A      M                                              EA U
                                           N   R  T  Z      A                                              QR R
                                           I   I  I  A      R                                              UE C
                                           T   E  E  R      Y                                              PA E
                                           Y   S  S  D DMG$ CAUSE 2ND CAUSE  3RD CAUSF  4TH CAUSE CONTAINER M
  DATE      LOCATION     MATERIAL  CLASS
1. 3/18/71 DENVER   ,CO TELONE-CHLD  BP 10ECL  0  0  3  0E9 RP-NT SHRP OBJ    IMP LOG                      0 02 1
2. 4/ 3/72 SLT-LK-C,UT CHLOROPICRI   BP  2EOL  0  0  1 35E0 RP-NT CONTR FLRE MTRL DFCT          STL DRUM 0 02 1

                 TETRAETHYL PYROPHOSPHATE SPILLS
                                                  F
                                                  A
                                               I  T         P                                              O
                                           Q   N  A         R                                              P  S
                                           U   J  L  H      I                                                 O
                                           A   U  I  A      M                                              EA U
                                           N   R  T  Z      A                                              QR R
                                           I   I  I  A      R                                              UE C
                                           T   E  E  R      Y                                              PA E
                                           Y   S  S  D DMG$ CAUSE 2ND CAUSE  3RC CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION     MATERIAL  CLASS
1. 7/ 2/71 YAKIMA   ,WA TET-ETH-PYR  BP  1EOL  0  0  1 15E1 RP-NT CONTR FLRE DFCTV WELD             STL PAIL 0 02 1
2. 8/17/71 YORK     ,PA TET-ETH-PYR  BP  4ECL  0  0  1  0E9 RP-NT SHRP OBJ                          STL DRUM 0 02 1
3. 7/25/72 BILLINGS,MT TET-ETH-PYR  BP  4ECL  0  0  1 60E0 RP-NT LSE CP,CVR                         GBTL/CTN 0 02 1
4. 8/ 8/72 YAKIMA   ,WA TET-ETH-PYR  BP 11ECL  0  0  2 10E1 RP-NT SHRP OBJ    IMP LOG               STL PAIL 0 02 1

                 TETRAHYDROFURAN SPILLS
                                                  F
                                                  A
                                               I  T         P                                              O
                                           Q   N  A         R                                              P  S
                                           U   J  L  H      I                                                 O
                                           A   U  I  A      M                                              EA U
                                           N   R  T  Z      A                                              QR R
                                           I   I  I  A      R                                              UE C
                                           T   E  E  R      Y                                              PA E
                                           Y   S  S  D DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
  DATE      LOCATION     MATERIAL  CLASS
1. 1/10/72 PHOENIX ,AZ TET-HYDR-FU  FL  1EOL  0  0  1 10E0 RP-NT DROPPED    PRNSLL ERR              GBTL/CTN 0 01 1
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                       TETRACHLORIDE ANHYDROUS NOI SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                  O
                                         U    J  L  H        I                                                  P   S
                                         A    U  I  A        M                                                      O
                                         N    R  T  Z        A                                                 EA   U
                                         I    I  I  A        R                                                 QR   R
                                         T    E  E  R        Y                                                 UE   C
                                         Y    S  S  D                                                          PA   E
  DATE     LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE     CONTAINER M
1. 3/30/73 BELLE   ,WV TETRACHLORD  UN 75ECL  0  0 99  0E9 RP-NT CONTR FLRE IMP LCG                   STL DRUM 0 02 1

                       THERMINOL 66 N.O.I. SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                  O
                                         U    J  L  H        I                                                  P   S
                                         A    U  I  A        M                                                      O
                                         N    R  T  Z        A                                                 EA   U
                                         I    I  I  A        R                                                 QR   R
                                         T    E  E  R        Y                                                 UE   C
                                         Y    S  S  D                                                          PA   E
  DATE     LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE     CONTAINER M
1. 2/14/72 ST LOUIS,MO THERMINOL 66 FL  0E0U  0  0 99  0E0 OVRFW MECH FAIL  GSKT FAIL                 IND MACH 0 04 3

                       THIMET SPILLS---SYN---PHORATE
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                  O
                                         U    J  L  H        I                                                  P   S
                                         A    U  I  A        M                                                      O
                                         N    R  T  Z        A                                                 EA   U
                                         I    I  I  A        R                                                 QR   R
                                         T    E  E  R        Y                                                 UE   C
                                         Y    S  S  D                                                          PA   E
  DATE     LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE     CONTAINER M
1. 6/24/72 IMPERIAL,CA THIMET       BP 18E2K  0  0  1  0E9 OVRFW EXPLOSION  FIRE                               2 01 6
2. 5/11/71 PASCO   ,WA THIMIT       BP 15ECL  0  0  1 70E0 RP-NT SHRP OBJ   IMP LOG                   STL PAIL 0 92 1
3. 3/20/72 SEATTLE ,WA THIMIT       BP  1ECK  0  0  1 20E0 RP-NT SHRP OBJ   IMP LOG                            0 02 1
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                      THIONYL CHLORIDE SPILLS
                                                  F
                                                  A
                                               I  T           P                                              O
                                        Q      N  A           R                                              P  S
                                        U      J  L  H        I                                                 O
                                        A      U  I  A        M                                             EA  U
                                        N      R  T  Z        A                                             QR  R
                                        I      I  I  A        R                                             UE  C
                                        T      E  E  R        Y                                             PA  E
                                        Y      S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/14/71 CHEMUNG ,NY THIONYL-CHL  CL 10E0K   0  0  1 10E1 RP-NT SHRP OBJ                        STL DRUM 0 02 1
2. 9/12/72 LAREDO  ,TX THIONYL-CHL  CL 38E0L   0  0  1 50E2 RP-NT CONTR FLRE MTRL DFCT            STL DRUM 0 02 1
3. 9/14/72 BRIMFILD,MA THIONYL-CHL  CL 57ECL   0  0  2 45E1 RP-NT CONTR FLRE DFCTV WELD           STL DRUM 0 02 1

                      THIOPHENOL SPILLS
                                                  F
                                                  A
                                               I  T           P                                              O
                                        Q      N  A           R                                              P  S
                                        U      J  L  H        I                                                 O
                                        A      U  I  A        M                                             EA  U
                                        N      R  T  Z        A                                             QR  R
                                        I      I  I  A        R                                             UF  C
                                        T      E  E  R        Y                                             PA  E
                                        Y      S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 9/80/71 TUSCON  ,AZ THIOPHENOL   BP 10E2K   0  0  5 40E2 RP-NT CONTR FLRE IMP LDG              STL DRUM 0 02 1

                      TITANIUM TETRACHLORIDE SPILLS
                                                  F
                                                  A
                                               I  T           P                                              O
                                        Q      N  A           R                                              P  S
                                        U      J  L  H        I                                                 O
                                        A      U  I  A        M                                             EA  U
                                        N      R  T  Z        A                                             QR  R
                                        I      I  I  A        R                                             UE  C
                                        T      E  E  R        Y                                             PA  E
                                        Y      S  S  D
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 6/30/72 TUSCON  ,AZ TIT-TETRACH  CL  9E0L   0  0  1  0E9 RP-TK VALVE BKN  OVRPRES              PRTBL TK 0 02 1
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                      TOLUENE SPILLS---SYN.--TOLUOL
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
   DATE     LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 1/21/71 JOLIET  ,IL TOLUENE     FL 38E3L  0  0 10 10E3 RP-TK BODY FLRE  COLLSN                TK CR RR 0 02 1
 2. 1/29/71 WESTFILD,MA TOLUENE     FL 79E1L  0  0  5 27E1 TS FL HSE,CPL FA                       TK TRLR  0 41 1
 3. 4/11/71 YORKTOWN,VA TOLUENE     FL  0E0U  0  0 99  0E9 TS FL UNKNOWN                                   0411 2
 4. 6/ 6/71 XENIA   ,OH TOLUENE     FL 20E4L  0  0 10  0E0 RP-TK EXPLOSION  LIGHTNING             STO TANK 0 03 3
 5. 7/22/71 BEACON  ,NY TOLUENE     FL 19E1L  0  0  3 15E0 OVRFW PRNSLL ERR                       STO TANK 0 41 1
 6.10/ 6/71 BALTIMOR,MD TOLUENE     FL  0E0U  1  0 99  0E9 OVRFW UNKNOWN    FIRE                  PIPES    013611
 7. 3/26/72 SEADRIFT,TX TOLUENE     FL  0E0U  0  0 99  5E0 TS FL HSE,CPL FA                       BARGE TK 0 01 2
 8. 5/18/72 CHICAGO ,IL TOLUENE     FL 21E1L  0  0  3 22E1 RP-NT SHRP OBJ                         STL DRUM 0 11 1
 9.10/13/72 TULSA   ,OK TOLUENE     FL 38E1L  0  0  4  0E0 TS FL HSE,CPL FA MTRL DFCT             TK TRLR  0 01 1
10.11/14/72 LEXNGTON,KY TOLUENE     FL 76E2L  0  0  8  0E9 RP-TK COLLSN     UNKNOWN               TK TRLR  0 02 2
11.11/21/72 LEXINGTN,KY TOLUENE     FL 76E2L  0  0  8  0E9 RP-TK CONTR FLRE COLLSN                TK TRLR  0 02 6
12.11/22/72 CHICAGO ,IL TOLUENE     FL  0E0U  0  0 99  0E9 RP-TK CONTR FLRE UNKNOWN               BARGE BK 0 02 6
13.12/29/72 CLEARING,IL TOLUENE     FL 33E3L  0  0 10  2E3 RP-TK DRLMENT    BODY FLRE             TK CR RR 0 02 1
14. 1/22/73 OHIO-JCT,OH TOLUENE     FL 38E3L  0  0 10  0E9 RP-TK CONTR FLRE UNKNOWN               TK CR RR 0 02 1
15. 2/ 8/73 CARPENDR,IL TOLUENE     FL 57E0L  0  0  2 10E0 TS FL DROPPED    ROWY CONDS            TK TRLR  0 01 1
16. 3/10/73 FLINT   ,MI TOLUENE     FL 64E1L  0  0  5  0E9 OVRFW OPN VALVE  PRNSLL ERR            TK CR RR 0 02 1
17. 4/ 3/73 HOUSTON ,TX TOLUENE     FL  1E0L  0  0  1  0E9 RP-NT SHRP OBJ   UNKNOWN               STL DRUM 0 02 1
18. 6/12/73 IRON-CRE,TX TOLUENE     FL 37E3L  0  0 10  0E9 RP-TK DRLM&OVRTN UNKNOWN               TK CR RR 1 02 2
19. 2/24/73 PENSACLA,FL TOLUOL      FL 38E0L  1  0  1 90E0 RP-TK LKG CVR    OVRTURN               TK TRLR  0 02 1

                      TOLUENE DIISOCYANATE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                        Q     N  A           R                                                O
                                        U     J  L  H        I                                                P S
                                        A     U  I  A        M                                                  O
                                        N     R  T  Z        A                                               EA U
                                        I     I  I  A        R                                               QR R
                                        T     E  E  R        Y                                               UE C
                                        Y     S  S  D                                                        PA E
   DATE     LOCATION    MATERIAL  CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 3/23/71 INSTITUT,WV TOLUENE-DIS CL 34E1K  0  0  4  0E9 OVRFW UNKNOWN                          STO TANK 0 03 2
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                  TOLUIDENE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                 O
                                        Q     N  A          R                                                 P S
                                        U     J  L  H       I                                                   O
                                        A     U  I  A       M                                                EA U
                                        N     R  T  Z       A                                                QR R
                                        I     I  I  A       R                                                UE C
                                        T     E  E  R       Y                                                PA E
                                        Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/12/72 DUFF    ,TN TOLUIDENE    BP 19E3L  0  0  9 80E1 RP-TK SHRP OBJ   DRLMENT               TK CR RR 0 02 1
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                  TOXAPHENE SPILLS
                                                 F
                                                 A
                                              I  T          P                                                 O
                                        Q     N  A          R                                                 P S
                                        U     J  L  H       I                                                   O
                                        A     U  I  A       M                                                EA U
                                        N     R  T  Z       A                                                QR R
                                        I     I  I  A       R                                                UE C
                                        T     E  E  R       Y                                                PA E
                                        Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/18/72 MONTGOMR,AL TOXAPHENE    BP 38E1L  0  0  1 30E1 TS FL HSE,CPL FA UNKNOWN               TK TRLR  0 51 1
2. 9/29/72 ATHENS  ,AL TOXAPHENE    BP 15E0L  0  0  1 13E0 OVRFW PRNSLL ERR                                0 01 1
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                  TRANSFORMER OIL SPILLS
                                                 F
                                                 A
                                              I  T          P                                                 O
                                        Q     N  A          R                                                 P S
                                        U     J  L  H       I                                                   O
                                        A     U  I  A       M                                                EA U
                                        N     R  T  Z       A                                                QR R
                                        I     I  I  A       R                                                UE C
                                        T     E  E  R       Y                                                PA E
                                        Y     S  S  D
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/ 8/72 TYSNS CR,VA TRANSF OIL   FL 11E2L  0  0  1  0E0 RP-NT ELCT ARCNG                       TRNSFRMR 0 03 3
2. 4/ 6/73 CORPUS C,TX TRANSF OIL   FL 42E1L  0  0  1  0E0 RP-TK FIRE       FIRE                  STO TANK 0 04 3
3. 4/19/73 BEIRNE  ,AR TRANSF OIL   FL  0ECU  0  0 99  0E0 RP-NT CONTR FLRE LIGHTNING             TRNSFRMR 0 03 3
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                     TRI CALCIUM ARSENATE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                O
                                         U    J  L  H        I                                                P S
                                         A    U  I  A        M                                                  O
                                         N    R  T  Z        A                                               EA U
                                         I    I  I  A        R                                               QR R
                                         T    E  E  R        Y                                               UE C
                                         Y    S  S  D                                                        PA E
  DATE    LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 7/ 7/71 FRESNO  ,CA TRICALC-ARS  BP 34E1K  0  0  1 40E1 RP-NT SHRP OBJ   IMP LOG               PA BAG   0 02 1
                     TRICHLORACETALDEHYDE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                O
                                         U    J  L  H        I                                                P S
                                         A    U  I  A        M                                                  O
                                         N    R  T  Z        A                                               EA U
                                         I    I  I  A        R                                               QR R
                                         T    E  E  R        Y                                               UE C
                                         Y    S  S  D                                                        PA E
  DATE    LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/ 2/71 DETROIT ,MI TRICHLORACE  BP 15E1L  0  0  1  0E9 RP-NT FORKLIFT   PRNSLL ERR            STL DRUM 0 02 1
                     TRICHLORETHYLENE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                         Q    N  A           R                                                O
                                         U    J  L  H        I                                                P S
                                         A    U  I  A        M                                                  O
                                         N    R  T  Z        A                                               EA U
                                         I    I  I  A        R                                               QR R
                                         T    E  E  R        Y                                               UE C
                                         Y    S  S  D                                                        PA E
  DATE    LOCATION     MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/23/69 W-PHILAD,PA TRICHLORETH  BP  4E0L  0  0  1  0E9 OVRFW CNTRL INOP                                0 04 3
2. 3/ 9/71 WOBURN  ,MA TRICHLORETH  BP 11E0L  0  0  1  0E9 RP-NT UNKNOWN                          STL DRUM 0 02 1
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                     TRIETHANOLOMINE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/26/73 PULASKI ,VA TRIETHANOLA  FL 57E2L  0  0  6  0E9 RP-TK COLLSN                           TK TRLR  1 02 2
                     TRIETHYLAMINE SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 4/21/71 LOUISVIL,KY TRIETHYLAMI  FL  0E9L  3  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT             STL DRUM 0 01 1
                     TRIFLUROACETIC ACID SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 3/15/73 CINCINAT,OH TRIFLUROACE  CL 11E0L  0  0  1 25E1 RP-NT SHRP OBJ   IMP LOG               BGS/CTN  0 02 1
                     TRIPHENYL SULFONIUM CHLORIDE N.O.I. SPILLS
                                                 F
                                                 A
                                              I  T           P
                                          Q   N  A           R                                                O
                                          U   J  L  H        I                                                P S
                                          A   U  I  A        M                                                  O
                                          N   R  T  Z        A                                               EA U
                                          I   I  I  A        R                                               QR R
                                          T   E  E  R        Y                                               UE C
                                          Y   S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/19/71 99      ,CO TRIPHENYL-S  UN 68E0K  0  0 92 27E1 RP-NT UNKNOWN                          STL DRUM 1 02 1
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                      TURPENTINE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                        Q      N  A           R                                                O
                                        U      J  L  H        I                                                P S
                                        A      U  I  A        M                                                  O
                                        N      R  T  Z        A                                               EA U
                                        I      I  I  A        R                                               QR R
                                        T      E  E  R        Y                                               UE C
                                        Y      S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/20/72 BRNSVILE,TX TURPENTINE    FL 66E3L  0  0 10  0E9 OVRFW HSE,CPL FA UNKNOWN               STO TANK 0 02 6
2.11/21/72 BRNSVILE,TX TURPENTINE    FL 66E3L  0  0 10  0E9 TS FL RPTRD PIPE UNKNOWN                        0 01 2
                      UNSYMMETRICAL DIMETHYL HYDRAZINE SPILLS
                                                  F
                                                  A
                                               I  T           P
                                        Q      N  A           R                                                O
                                        U      J  L  H        I                                                P S
                                        A      U  I  A        M                                                  O
                                        N      R  T  Z        A                                               EA U
                                        I      I  I  A        R                                               QR R
                                        T      E  E  R        Y                                               UE C
                                        Y      S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.10/31/72 PRTR CTR,NY UNSYM DIMET   FL 47E1L  0  0  7  0E0 RP-TK EXPLOSION  CHMCAL RE  FORGN SUBS STO TANK 1 05 3
                      URANA SPILLS
                                                  F
                                                  A
                                               I  T           P
                                        Q      N  A           R                                                O
                                        U      J  L  H        I                                                P S
                                        A      U  I  A        M                                                  O
                                        N      R  T  Z        A                                               EA U
                                        I      I  I  A        R                                               QR R
                                        T      E  E  R        Y                                               UE C
                                        Y      S  S  D                                                        PA E
  DATE     LOCATION    MATERIAL  CLASS                 DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 2/ 1/72 VENICE  ,LA URANA-FERTL   UN 76E5L  0  0 99  0E9 RP-TK CONTR FLRE COLLSN                BARGE BK 0 02 6
2. 4/ 0/72 NEW-ORLN,LA URANA-FERTL   UN 64E5L  1  0 99  0E9 RP-NT SHIP SANK                        BARGE TK 0 01 2
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                      URANIUM ORE SPILLS
                                                  F
                                                  A
                                               I  T         P
                                            Q  N  A         R                                                 O
                                            U  J  L  H      I                                                 P  S
                                            A  U  I  A      M                                                    O
                                            N  R  T  Z      A                                                EA  U
                                            I  I  I  A      R                                                QR  R
                                            T  E  E  R      Y                                                UE  C
                                            Y  S  S  D                                                       PA  E
  DATE     LOCATION     MATERIAL    CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1. 8/ 4/71 DENVER   ,CO URANIUM-ORE  OT 90E1K  0  0 99 14E2 RP-NT CONTR FLRE OVRTURN               STL DRUM 0 02 1
                      UREA FORMALDEHYDE SPILLS
                                                  F
                                                  A
                                               I  T         P
                                            Q  N  A         R                                                 O
                                            U  J  L  H      I                                                 P  S
                                            A  U  I  A      M                                                    O
                                            N  R  T  Z      A                                                EA  U
                                            I  I  I  A      R                                                QR  R
                                            T  E  E  R      Y                                                UE  C
                                            Y  S  S  D                                                       PA  E
  DATE     LOCATION     MATERIAL    CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.11/ 9/72 FARMVILL,NC  UREA-FORMAL  BP 28E2L  0  0  7  0E9 OVRFW UNKNOWN                                   0 00 6
2.11/10/72 FARMUILE,NC  UREA-FORMAL  BP 28E2L  0  0  7  0E9 OTHER UNKNOWN                                   0 00 2
                      VINYL ACETATE SPILLS
                                                  F
                                                  A
                                               I  T         P
                                            Q  N  A         R                                                 O
                                            U  J  L  H      I                                                 P  S
                                            A  U  I  A      M                                                    O
                                            N  R  T  Z      A                                                EA  U
                                            I  I  I  A      R                                                QR  R
                                            T  E  E  R      Y                                                UE  C
                                            Y  S  S  D                                                       PA  E
  DATE     LOCATION     MATERIAL    CLASS              DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
1.12/11/71 CORBIN   ,LA VINYL-ACETA  FL 70E3L  0  0  6 13E3 RP-TK SHRP OBJ   DRLMENT    VANDALISM  TK CR RR 0 02 1
2. 2/11/72 PADUCAH  ,KY VINYL-ACETA  FL 23E0K  0  0  1 50E0 RP-NT FORKLIFT                          STL DRUM 0 01 1
3. 2/11/72 PADUCAH  ,KY VINYL-ACETA  FL 23E0K  0  0  1 50E0 RP-NT FORKLIFT   PRNSLL ERR            STL DRUM 0 01 1
4. 4/27/72 HAZLCRST,IL  VINYL-ACETA  FL 11E2L  0  0  1  0E9 RP-TK LSE CP,CVR GSKT FAIL             TK CR RR 0 02 1
5. 1/ 3/73 CORPUS-C,TX  VINYL-ACETA  FL  0E0U  0  0 99 60E2 TS FL OPN VALVE  PRNSLL ERR            BARGE TK 0 01 2
6. 1/ 4/73 CORP-CHR,TX  VINYL-ACETA  FL 79E3L  0  0  8  0E9 RP-TK SHIP SANK                         BARGE TK 0 01 2
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                      VINYL CHLORIDE SPILLS
                                                   F
                                                   A
                                                I  T           P                                                    O
                                             Q  N  A           R                                                    P S
                                             U  J  L  H        I                                                      O
                                             A  U  I  A        M                                                   EA U
                                             N  R  T  Z        A                                                   QR R
                                             I  I  I  A        R                                                   UF C
                                             T  E  E  R        Y                                                   PA E
                                             Y  S  S  D
                                                         DMG$ CAUSE  2ND CAUSE    3RD CAUSE  4TH CAUSE  CONTAINER M
  DATE      LOCATION     MATERIAL    CLASS
 1. 9/11/69 GLENDORA,MS VINYL-CHLOR  FL   0E0U  1  0 99   0E0 RP-TK  DRLMENT                           TK CR RR  0 02 9
 2. 2/10/71 CHICAGO ,IL VINYL-CHLOR  FL  27E4L  0  0  8  20E3 RP-TK  CONTR FLRE   DRLMENT              TK CR RR  1 02 1
 3. 3/26/71 MONESSEN,PA VINYL-CHLOR  FL  10E2L  0  0  1   0E9 RP-TK  VALVE BKN    DRLMENT              TK CR RR  0 02 1
 4. 9/14/71 DORSEY  ,MD VINYL-CHLOR  FL  38E3L  0  0  5  10E3 RP-TK  SHRP OBJ     DRLMENT    UNKNOWN   TK TRLR   0 02 1
 5.10/19/71 HOUSTON ,TX VINYL-CHLOR  FL  13E4L 50  1  7   0E9 RP-TK  SHRP OBJ     DRLMENT              TK CR RR  1 0211
 6. 5/ 4/73 99      ,TX VINYL-CHLOR  FL   0E0U  0  0 99   0E9 OTHER  DRLMENT      UNKNOWN              TK CR RR  0 02 2
 7. 5/16/73 LUFKIN  ,TX VINYL-CHLOR  FL  12E4L  0  0  6   0E9 RP-TK  DRLM&OVRTN                        TK CR RR  0 02 2

                      WASTE PICKLE LIQUOR SPILLS
                                                   F
                                                   A
                                                I  T           P                                                    O
                                             Q  N  A           R                                                    P S
                                             U  J  L  H        I                                                      O
                                             A  U  I  A        M                                                   EA U
                                             N  R  T  Z        A                                                   QR R
                                             I  I  I  A        R                                                   UE C
                                             T  E  E  R        Y                                                   PA E
                                             Y  S  S  D
                                                         DMG$ CAUSE  2ND CAUSE    3RD CAUSE  4TH CAUSE  CONTAINER M
  DATE      LOCATION     MATERIAL    CLASS
 1. 3/30/68 PACIFIC ,   WASTE-PICKL  CL   0E0U  0  0 99   0E9 OVRFW  INTNL REL    NMRL OP              BARGE BK  0 02 6
 2. 7/10/72 SYRACUSE,NY WASTE-PICKL  CL  76E2L  0  0  3  20E1 RP-TK  BODY FLRE    MTRL DFCT            TK TRLR   0 01 1

                      WEED KILLING COMP. SPILLS
                                                   F
                                                   A
                                                I  T           P                                                    O
                                             Q  N  A           R                                                    P S
                                             U  J  L  H        I                                                      O
                                             A  U  I  A        M                                                   EA U
                                             N  R  T  Z        A                                                   QR R
                                             I  I  I  A        R                                                   UE C
                                             T  E  E  R        Y                                                   PA E
                                             Y  S  S  D
                                                         DMG$ CAUSE  2ND CAUSE    3RD CAUSE  4TH CAUSE  CONTAINER M
  DATE      LOCATION     MATERIAL    CLASS
 1. 2/ 1/71 SAN-FRIS,CA WEED-KILLER  BP  48E1L  0  0 99   0E9 OVRFW  UNKNOWN                                     0 00 6
 2. 4/19/71 MEMPHIS ,TN WEED-KILLER  BP   4E0L  0  0 99  10E0 RP-NT  CONTR FLRE   OVRPRES    UNKVOWN   PBTL/CTN  0 01 1
 3. 4/20/71 RICHMOND,VA WEED-KILLER  BP   1E0L  0  0 99   0E9 RP-NT  CONTR FLRE   MTRL DFCT            STL PAIL  0 02 1
 4. 5/11/71 CEURO   ,TX WEED-KILLER  BP  19E0L  0  0 99   0E9 RP-NT  UNKNOWN                           PLS PAIL  0 01 1
 5. 5/12/71 ST-PAUL ,MN WEED-KILLER  BP  38E0L  0  0 99  30E0 RP-NT  CONTR FLRE   IMP LOG                        0 02 1
 6. 6/21/71 MEMPHIS ,TN WEED-KILLER  BP   2E0L  0  0 99  25E0 RP-NT  CONTR FLRE   MTRL DFCT            STL DRUM  0 02 1
 7. 8/20/71 PARUN-RU,MD WEED-KILLER  BP   0E0U  0  0 99   0E9 OTHER  INTNL REL    NMRL OP                        0 06 5
 8. 9/14/71 CHARLOTE,NC WEED-KILLER  BP   1E0L  0  0 99   0E9 RP-NT  SHRP OBJ     UNKNOWN              STL PAIL  0 02 1
 9. 9/22/71 TOLEDO  ,OH WEED-KILLER  BP   8E0L  0  0 99   0E9 RP-NT  CONTR FLRE   DROPPED              PBTL/CTN  0 02 1
10. 1/21/72 SAN-LERN,CA WEED-KILLER  BP  19E0L  0  0 99   0E9 RP-NT  CONTR FLRE   MTRL DFCT            STL DRUM  0 02 1
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11. 3/ 8/72 MIDDLTWN,NY WEED-KILLER  BP  4E0L  0  0 99 25E0 RP-NT UNKNOWN                            PBTL/CTN 0 02 1
12. 4/11/72 PHOENIX ,AZ WEED-KILLER  BP 15E0L  0  0 99 10E0 RP-NT CONTR FLRE DROPPED                STL PAIL 0 01 1
13. 5/19/72 N-PLATTE,NB WEED-KILLER  BP 38E0L  0  0 99 95E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
14. 6/ 5/72 BOISE   ,ID WEED-KILLER  BP  2E0L  0  0 99 50E0 RP-NT CONTR FLRE DFCTV WELD             STL DRUM 0 02 1
15. 6/26/72 BROOKFLD,WI WEED-KILLER  BP 95E0L  0  0 99 90E1 OVRFW INTNL REL  PRNSLL ERR             STO TANK 0 51 1
16. 6/27/72 MEMPHIS ,TN WEED-KILLER  BP 12E1L  0  0 99 15E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
17. 7/ 3/72 SLT-LK-C,UT WEED-KILLER  BP  1E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                PLSTC DR 0 02 1
18. 7/10/72 N-ORLENS,LA WEED-KILLER  BP 10E1L  0  0 99 75E0 RP-NT CONTR FLRE DROPPED                STL DRUM 0 02 1
19. 7/13/72 WNSTN-SL,NC WEED-KILLER  BP  1E0L  0  0 99  0E9 RP-NT CONTR FLRE MTRL DFCT              STL PAIL 0 02 1
20. 7/14/72 N-KANSAS,99 WEED-KILLER  BP 19E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                STL PAIL 0 02 1
21. 7/27/72 POCATELO,ID WEED-KILLER  BP 19E0L  0  0 99  0E9 RP-NT CONTR FLRE IMP LDG                STL PAIL 0 02 1
22.11/28/72 ALBANY  ,GA WEED-KILLER  BP 19E0L  0  0 99 20E0 RP-NT CONTR FLRE MTRL DFCT                       0 02 1
23. 2/17/73 BURLNGTN,NC WEED-KILLER  BP  4E0L  0  0 99 50E0 RP-NT CONTR FLRE MTRL DFCT              STL DRUM 0 02 1
24. 3/22/73 SHARE-CR,WI WEED-KILLER  BP 15E1L  0  0 99 75E0 OVRFW UNKNOWN                           STO TANK 0 21 1
25. 3/22/73 COLUMBUS,GA WEED-KILLER  BP 19E0L  0  0 99 50E0 RP-NT CONTR FLRE MTRL DFCT              STL PAIL 0 02 1
26. 3/23/73 YORK    ,PA WEED-KILLER  BP 15E0L  0  0 99  0E9 RP-NT CONTR FLRE IMPR HNDLG             PBTL/CTN 0 02 1
27. 3/26/73 S-HOLLND,IL WEED-KILLER  BP  0E0U  0  0 99  5E0 RP-NT CONTR FLRE UNKNOWN                         0 02 1
28. 4/ 2/73 W-COLMBI,SC WEED-KILLER  BP  4E0K  0  0 99  2E0 RP-NT SHRP OBJ   UNKNOWN                PA BAG   0 02 1
29. 4/ 5/73 BROOKFLD,WI WEED-KILLER  BP 38E0L  0  0 99 10E0 TS FL OVRPRES    IMPR NZLE              TK TRLR  0 51 1
30. 4/16/73 MEMPHIS ,TN WEED-KILLER  BP 19E0L  0  0 99 40E0 OTHER UNKNOWN                           STL PAIL 0 02 1
31. 4/26/73 AMARILLO,TX WEED-KILLER  BP  4E0L  0  0 99 10E0 RP-NT CONTR FLRE IMP LDG                STL PAIL 0 02 1
32. 4/30/73 99      ,99 WEED-KILLER  BP 12E1K  0  0 99 50E0 RP-NT CONTR FLRE UNKNOWN                STL DRUM 0 02 1
33. 5/ 4/73 ST-LOUIS,MO WEED-KILLER  BP  4E0L  0  0 99  0E9 RP-NT SHRP OBJ   UNKNOWN                STL DRUM 0 02 1
34. 5/ 5/73 MEMPHIS ,TN WEED-KILLER  BP  0E0U  0  0 99  0E9 OTHER UNKNOWN                                    0 02 1

                       WET NITROCELLULOSE (WITH ALCOHOL) SPILLS
                                                  F
                                                  A
                                               I  T          P                                                 O
                                           Q   N  A          R                                                 P S
                                           U   J  L  H       I                                                   O
                                           A   U  I  A       M                                                EA U
                                           N   R  T  Z       A                                                QR R
                                           I   I  I  A       R                                                UE C
                                           T   E  E  R       Y                                                PA E
                                           Y   S  S  D
     DATE   LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 9/21/71 BRISBANE,CA WET-CEL-ALC  FL 30E2K  0  0 99 50E1 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1
 2. 7/27/72 RICHMOND,CA WET NI-CELO  FL 21E1L  0  0 99 22E1 RP-NT SHRP OBJ   IMP LDG                STL DRUM 0 02 1

                       XYLENE SPILLS---SYN--META,PARAXYLENE,--XYLOL
                                                  F
                                                  A
                                               I  T          P                                                 O
                                           Q   N  A          R                                                 P S
                                           U   J  L  H       I                                                   O
                                           A   U  I  A       M                                                EA U
                                           N   R  T  Z       A                                                QR R
                                           I   I  I  A       R                                                UE C
                                           T   E  E  R       Y                                                PA E
                                           Y   S  S  D
     DATE   LOCATION    MATERIAL   CLASS               DMG$ CAUSE 2ND CAUSE  3RD CAUSE  4TH CAUSE CONTAINER M
 1. 2/ 3/71 VLLA PRK,IL XYLENE       FL  0E0U  0  0  9  0E0 RP-NT CONTR FLRE FIRE                   STL PAIL 0 04 3
 2. 2/ 2/72 MISSISSI,LA XYLENE       FL  0E0U  0  0 99  0E9 RP-TK COLLSN                            BARGE BK 0 02 6
 3. 2/ 2/72 MISSIS-R,99 XYLENE       FL  0E0U  0  0 99  0E9 OVRFW SHIP SANK  UNKNOWN                BARGE TK 0 02 6
 4. 2/23/72 PITTSBRG,PA XYLENE       FL  0E0U  0  0 99  0E9 OVRFW UNKNOWN                                    0 03 6
 5. 5/17/72         ,MD XYLENE       FL 19E1L  0  0  1  0E9 OVRFW UNKNOWN                           STO TANK 0 01 6
 6.10/20/72 FAYETVIL,NC XYLENE       FL 76E2L  0  0  3  0E9 OVRFW PRNSLL ERR                        STO TANK 0 03 6
 7.11/13/72 CHERYVIL,NC XYLENF       FL 11E1L  0  0  1 40E0 RP-NT CONTR FLRE  IMP LDG                GLS BTLS 0 02 1
 8.12/ 5/72 JOLIET  ,IL XYLENE       FL 38E1L  0  0  1  0E9 OVRFW PRNSLL ERR                         BARGE TK 0 01 6
 9.12/ 8/72 COLUMBIA,SC XYLENE       FL 25E3L  0  0  4  0E9 RP-TK UNKNOWN     OVRTURN    UNKVOWN     TK TRLR  0 02 6
10. 3/29/73 LEMONT  ,IL XYLENE       FL 23E2L  0  0  1 16E1 OVRFW OPN VALVE   PRNSLL ERR             TK TRLR  0 51 1
11. 4/ 3/73 OHIO-RIV,99 XYLENF       FL 76E2L  0  0  3  0E9 RP-TK HSE,CPL FA                         TK TRLR  0 03 2
12. 4/ 4/73 OHIO-RIV,WV XYLENE       FL 76E2L  0  0  3  0E9 GK AL UNKNOWN                                     0 03 2
13. 2/ 3/72 CHICAGO ,IL XYLOL        FL 38E3L  0  0  5 55E2 RP-TK CONTR FLRE  UNKNOWN                TK CR RR 0 02 1
14. 9/14/72 CLEVLAND,OH XYLOL        FL 57E3L  0  0  6  0E9 OVRFW PRNSLL ERR                         STO TANK 0 03 6
15. 3/15/73 OGLESBY ,GA XYLOL        FL 56E4L  0  0  9 10E3 RP-TK SHRP OBJ    DRLMENT    RDWY CONDS TK CR RR 0 02 1

                       ZINC CYANIDE SPILLS
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                                  O
                                          U    J  L  H       I                                                  P  S
                                          A    U  I  A       M                                                     O
                                          N    R  T  Z       A                                                  EA U
                                          I    I  I  A       R                                                  QR R
                                          T    E  E  R       Y                                                  UE C
                                          Y    S  S  D                                                          PA E
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE  4TH CAUSE  CONTAINER M
 1. 4/30/71 LOS-ANGL,CA ZINC-CYANID  BP 38E2L  0  0  4  0E9 RP-TK CONTR FLRE  MTRL DFCT              PRTBL TK 0 02 6
 2. 9/22/72 99      ,99 ZINC-CYANID  BP 11E1L  0  0  1  0E9 RP-NT SHRP OBJ    UNKNOWN                CDBO DRM 0 02 1
 3. 2/ 7/73 BROOKLYN,NY ZINC-CYANID  BP 90E0K  0  0  1 23E1 RP-NT CONTR FLRE  IMP LDG                CDBO DRM 0 01 1

                       ZINC SULFATE SPILLS
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                                  O
                                          U    J  L  H       I                                                  P  S
                                          A    U  I  A       M                                                     O
                                          N    R  T  Z       A                                                  EA U
                                          I    I  I  A       R                                                  QR R
                                          T    E  E  R       Y                                                  UE C
                                          Y    S  S  D                                                          PA E
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE  4TH CAUSE  CONTAINER M
 1. 7/13/72 TORONTO ,   ZINC-SULFAT  UN  0E0U  0  0 99  0E9 RP-NT CONTR FLRE  FIRE       VANDALISM  CDBD DRM 3 03 3

                       ZIRCONIUM SPILLS
                                                  F
                                                  A
                                               I  T          P
                                          Q    N  A          R                                                  O
                                          U    J  L  H       I                                                  P  S
                                          A    U  I  A       M                                                     O
                                          N    R  T  Z       A                                                  EA U
                                          I    I  I  A       R                                                  QR R
                                          T    E  E  R       Y                                                  UE C
                                          Y    S  S  D                                                          PA E
  DATE      LOCATION    MATERIAL  CLASS                DMG$ CAUSE 2ND CAUSE   3RD CAUSE  4TH CAUSE  CONTAINER M
 1. 6/20/71 EXTON   ,PA ZIRCONIUM    FS  0E0U  0  0 99  0E0 RP-TK CONTR FLRE  FIRE       SPON COMB  STL PAIL 0 03 3
 2. 5/17/72 EXTON   ,PA ZIRCONIUM    FS 91E1K 10  0  1  0E0 OVRFW MECH FAIL                          CKG/MX T 0 04 3
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APPENDIX H

HAZARD POTENTIAL (HP) DATA FOR FREQUENTLY SPILLED MATERIALS

1968 - JUNE 1973*

Material	No. of Reports**	Mean HP	No. of HP-10's***	Highest HP
Sulfuric Acid Spills, Oleum	106	2.31	0	9
Ammonium Nitrate Fertilizer	77	N.A.	-	-
Ind. Wastes, Chemicals	64	N.A.	-	-
Organic Phosphates & Phosphate Compounds	52	1.46	1	10
Insecticide (unspecified)	49	N.A.	-	-
Caustic Soda, Sodium Hydroxide	47	2.86	0	8
Hydrochloric Acid, Muriatic Acid	44	2.55	1	10
Weed Killing Compound	34	N.A.	-	-
Ethyl Parathion, Parathion Liquid	26	2.46	1	10
Phenol, Carbolic Acid	24	4.53	3	10
Anhydrous Ammonia	20	6.00	3	10
Methyl Parathion	20	2.05	0	6
Toluene, Toluol	19	5.86	5	10
Dinitro Phenol	18	1.47	0	4
Nitric Acid	17	4.73	3	10
Alcohol, Methyl; Methanol	17	3.57	0	8
Xylene, Xylol	15	3.4	0	9
Ink	14	N.A.	-	-
Paint, Wood Stain	14	N.A.	-	-
Methyl Ethyl Ketone	12	2.7	0	6
Sodium Arsenite	12	2.5	0	5
Sodium Hydrosulfite	11	2.7	0	8

Fifty-seven spills were multiple, i.e. involved more than one material.

* Only 76 reports were documented for years prior to 1971.

** Some duplicate reports are included in the total, generally less than 10%. Duplication was eliminated in calculating other statistics.

*** HP10 is the highest category and has no upper limit on quantity spilled.

APPENDIX I

HAZARDOUS MATERIAL SPILLS BY EPA REGION

1968 - JUNE 1973

EPA Region (Area Included)	No. of Spill Reports
I (CT, ME, MA, NH, RI, VT)	97
II (NJ, NY, PR, VI)	73
III (DE, MD, PA, VA, WV, DC)	238
IV (AL, FL, GA, KY, MS, NC, SC, TN)	243
V (IL, IN, MI, MN, OH, WI)	277
VI (AR, LA, NM, OK, TX)	228
VII (IA, KS, MO, NE)	42
VIII (CO, MT, ND, SD, UT, WY)	55
IX (AZ, CA, HI, NV, Am. Samoa, GU)	135
X (AK, ID, OR, WA)	53

Note: The total for Region I includes some spills for which no EPA Region could be determined.